

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000273.D
 Acq On : 11 Oct 2019 16:16
 Operator : SY/MD
 Sample : VY1011SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:34:01 PM

Quant Time: Oct 14 08:17:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	457888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	396146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	191092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	152948	52.75	ug/l	0.00
Spiked Amount						
			Recovery	=	105.50%	
35) Dibromofluoromethane	7.73	113	135154	48.93	ug/l	0.00
Spiked Amount						
			Recovery	=	97.86%	
50) Toluene-d8	10.19	98	563282	53.02	ug/l	0.00
Spiked Amount						
			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.48	95	193431	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	56609	23.789	ug/l	99
3) Chloromethane	2.12	50	68557	20.412	ug/l	95
4) Vinyl Chloride	2.25	62	74838	22.078	ug/l	98
5) Bromomethane	2.63	94	61201	24.362	ug/l	95
6) Chloroethane	2.79	64	46874	21.432	ug/l	100
7) Trichlorofluoromethane	3.12	101	100050	21.578	ug/l	94
8) Diethyl Ether	3.53	74	35224	21.504	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60080	21.366	ug/l	99
10) Methyl Iodide	4.09	142	65610	17.178	ug/l	98
11) Tert butyl alcohol	4.97	59	32312	106.493	ug/l	99
12) 1,1-Dichloroethene	3.87	96	59280	21.354	ug/l	97
13) Acrolein	3.74	56	34145	95.987	ug/l	96
14) Allyl chloride	4.49	41	97275	21.145	ug/l	99
15) Acrylonitrile	5.18	53	95756	104.444	ug/l	96
16) Acetone	3.96	43	90382	96.261	ug/l	98
17) Carbon Disulfide	4.19	76	185248	21.195	ug/l	96
18) Methyl Acetate	4.49	43	48912	20.966	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	161749	20.931	ug/l	100
20) Methylene Chloride	4.72	84	70466	18.892	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	65289	20.499	ug/l	97
22) Diisopropyl ether	6.13	45	202001	20.761	ug/l	95
23) Vinyl Acetate	6.07	43	668481	105.312	ug/l	99
24) 1,1-Dichloroethane	6.03	63	112453	21.174	ug/l	96
25) 2-Butanone	7.00	43	135539	102.475	ug/l	100
26) 2,2-Dichloropropane	6.99	77	101552	20.751	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	74492	21.615	ug/l	96
28) Bromochloromethane	7.34	49	41232	18.085	ug/l	96
29) Tetrahydrofuran	7.36	42	82966	103.503	ug/l	98
30) Chloroform	7.52	83	113340	21.191	ug/l	95
31) Cyclohexane	7.80	56	114261	20.599	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	99216	20.866	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92938	20.731	ug/l	97
37) Ethyl Acetate	7.08	43	56405	21.249	ug/l	98
38) Carbon Tetrachloride	7.91	117	88645	20.422	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117807	20.078	ug/l	98
40) Benzene	8.17	78	264114	20.386	ug/l	99
41) Methacrylonitrile	7.33	41	25058m	19.832	ug/l	
42) 1,2-Dichloroethane	8.25	62	77697	20.995	ug/l	97
43) Isopropyl Acetate	8.28	43	103504	20.507	ug/l	99
44) Trichloroethene	8.95	130	74289	20.437	ug/l	98
45) 1,2-Dichloropropane	9.22	63	64078	20.155	ug/l	93
46) Dibromomethane	9.31	93	36714	20.657	ug/l	96
47) Bromodichloromethane	9.50	83	86662	20.690	ug/l	94
48) Methyl methacrylate	9.30	41	47202	21.339	ug/l	99
49) 1,4-Dioxane	9.30	88	11714	439.579	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	271770	104.396	ug/l	99
52) Toluene	10.25	92	167801	20.401	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	90887	20.247	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	104853	20.569	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	52424	20.287	ug/l	98
56) Ethyl methacrylate	10.52	69	76231	20.696	ug/l	98
57) 1,3-Dichloropropane	10.80	76	93049	20.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	154261	105.000	ug/l	100
59) 2-Hexanone	10.84	43	193777	106.048	ug/l	97
60) Dibromochloromethane	10.99	129	58157	20.305	ug/l	100
61) 1,2-Dibromoethane	11.10	107	51200	20.635	ug/l	100
64) Tetrachloroethene	10.72	164	79206	21.002	ug/l	98
65) Chlorobenzene	11.52	112	172019	20.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	61029	20.780	ug/l	99
67) Ethyl Benzene	11.60	91	328800	21.215	ug/l	99
68) m/p-Xylenes	11.70	106	242928	41.002	ug/l	98
69) o-Xylene	12.03	106	116469	20.606	ug/l	100
70) Styrene	12.05	104	197328	20.701	ug/l	99
71) Bromoform	12.21	173	35504	21.030	ug/l #	100
73) Isopropylbenzene	12.33	105	319931	21.472	ug/l	100
74) N-amyl acetate	12.14	43	81379	22.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	57837	20.674	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	49385m	21.017	ug/l	
77) Bromobenzene	12.61	156	71236	21.485	ug/l	96
78) n-propylbenzene	12.67	91	372844	20.841	ug/l	99
79) 2-Chlorotoluene	12.76	91	207248	20.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266418	21.323	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	22756	21.189	ug/l	97
82) 4-Chlorotoluene	12.86	91	223400	21.391	ug/l	99
83) tert-Butylbenzene	13.08	119	221917	20.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	263032	21.331	ug/l	99
85) sec-Butylbenzene	13.25	105	319515	20.875	ug/l	100
86) p-Isopropyltoluene	13.37	119	283103	21.216	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	136329	20.869	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	137371	21.038	ug/l	98
89) n-Butylbenzene	13.70	91	277203	21.021	ug/l	99
90) Hexachloroethane	13.96	117	52685	21.322	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	128220	21.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11382	21.452	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	90961	22.099	ug/l	96
94) Hexachlorobutadiene	15.11	225	47744	21.434	ug/l	97
95) Naphthalene	15.23	128	195588	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	79846	21.524	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

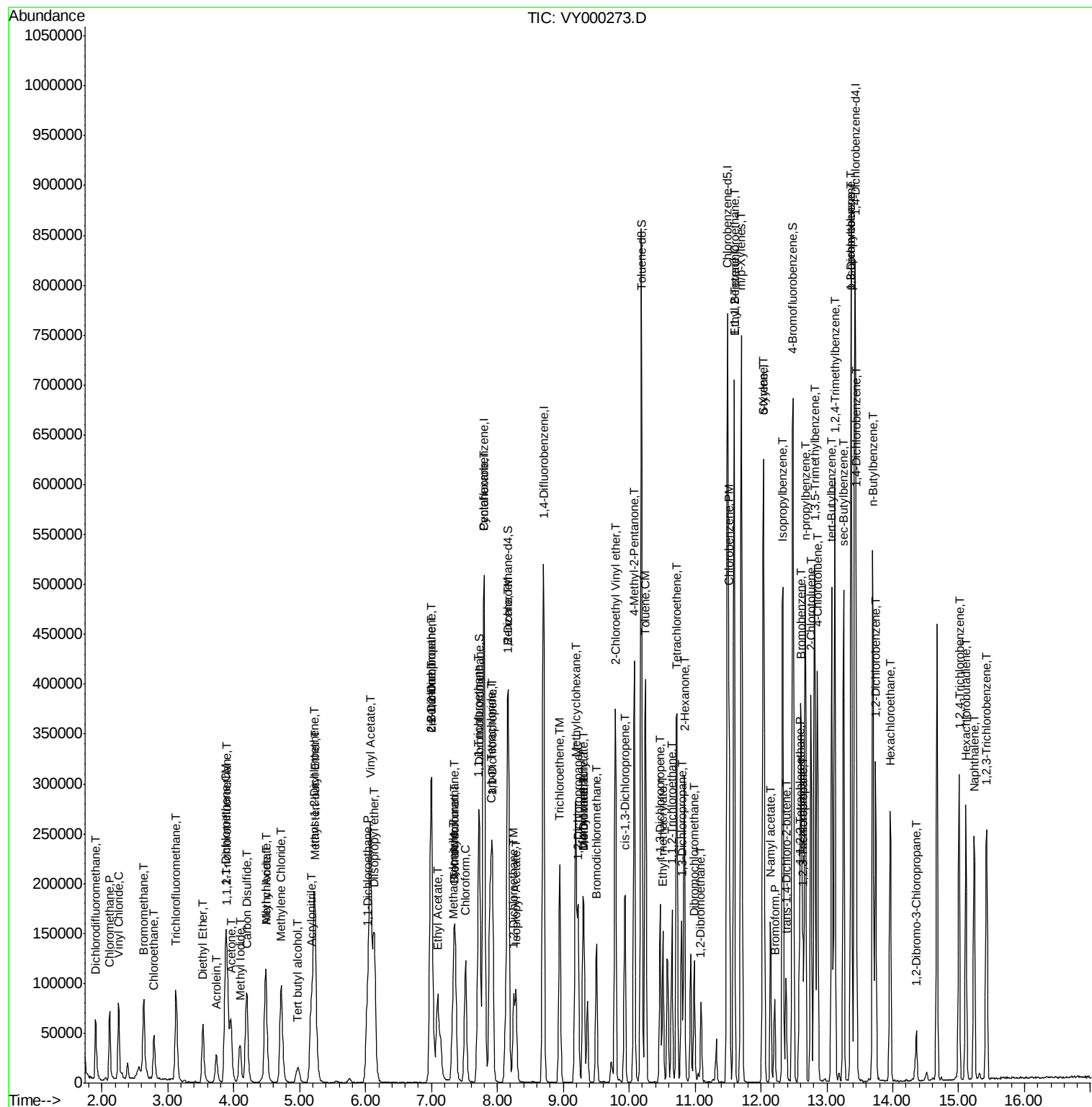
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
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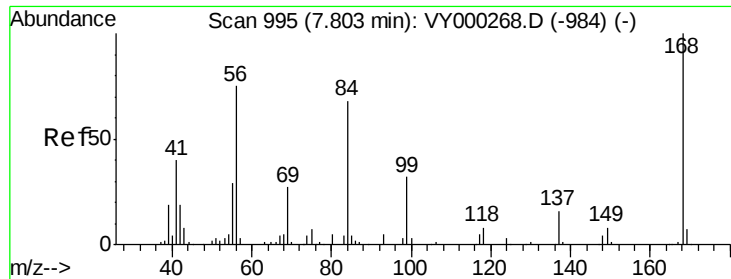
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion:168 Resp: 274860

Ion Ratio Lower Upper

168 100

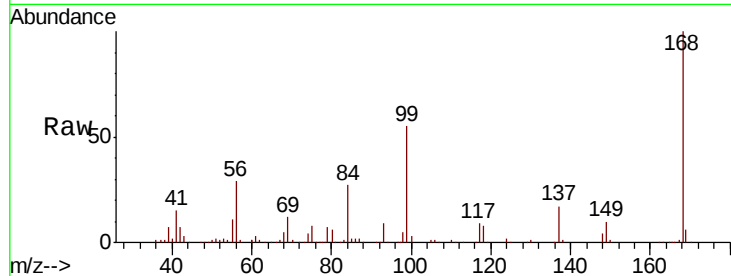
99 54.9 46.6 69.8

Manual Integrations

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10/15/2019 12:34:01 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000273.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000273.D (-946) (-)

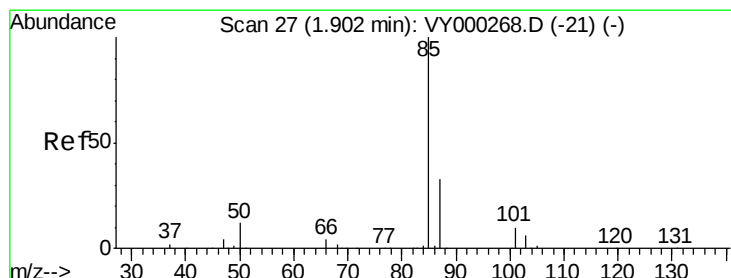
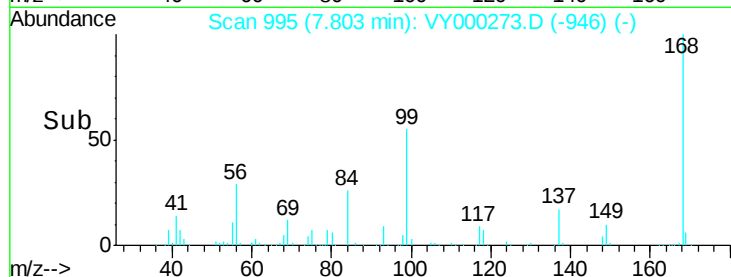
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.789 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000273.D

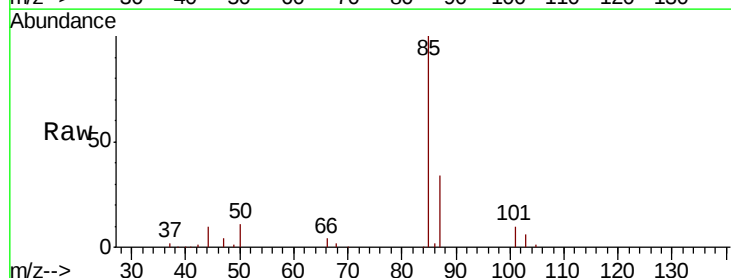
Acq: 11 Oct 2019 16:16

Tgt Ion: 85 Resp: 56609

Ion Ratio Lower Upper

85 100

87 33.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000273.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000273.D (-1) (-)

1.90

40000

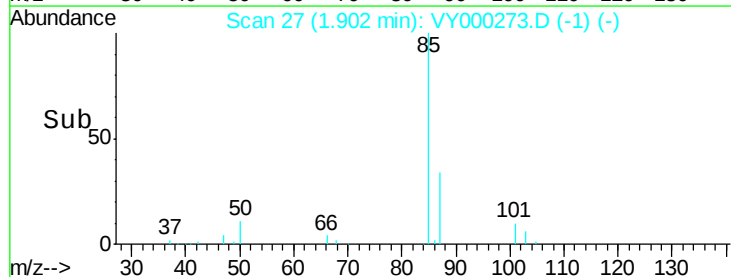
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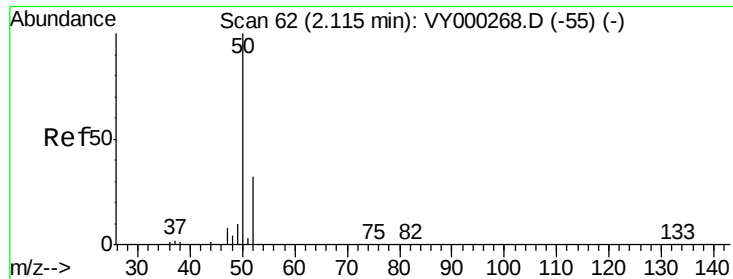
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.412 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 50 Resp: 68557

Ion Ratio Lower Upper

50 100

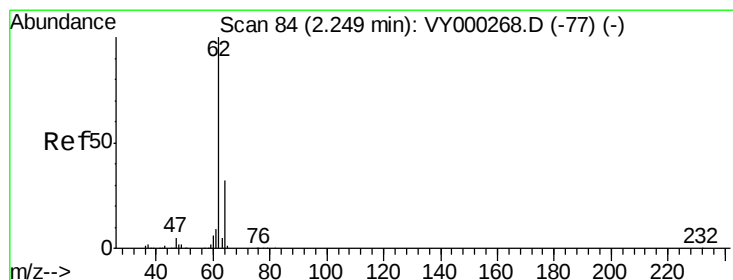
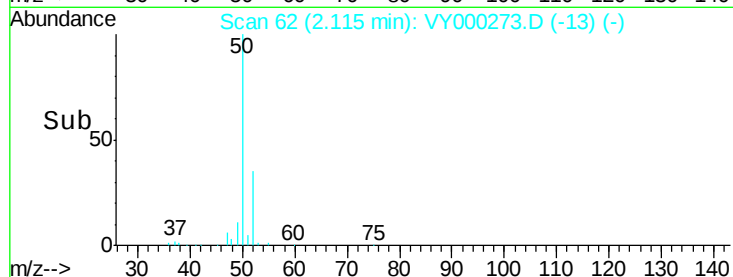
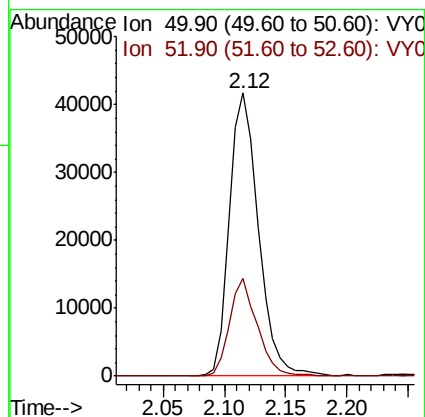
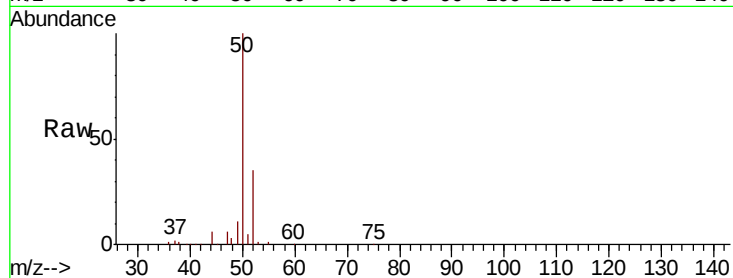
52 34.5 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.078 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000273.D

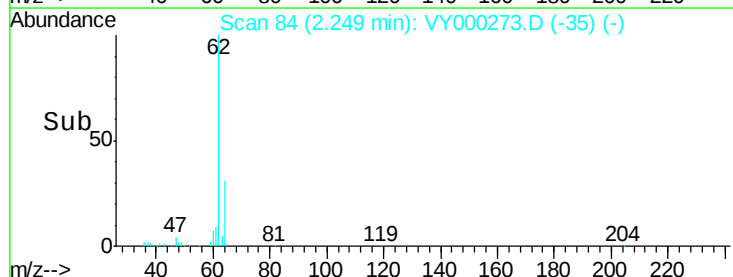
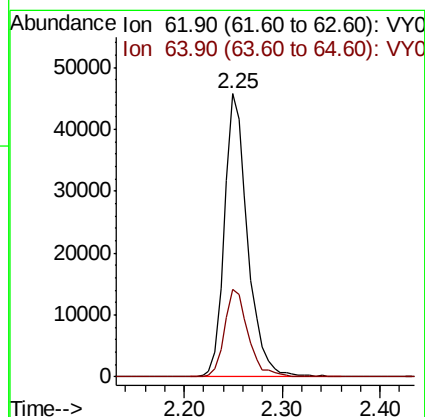
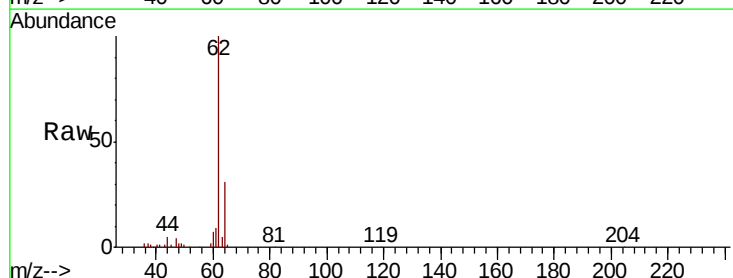
Acq: 11 Oct 2019 16:16

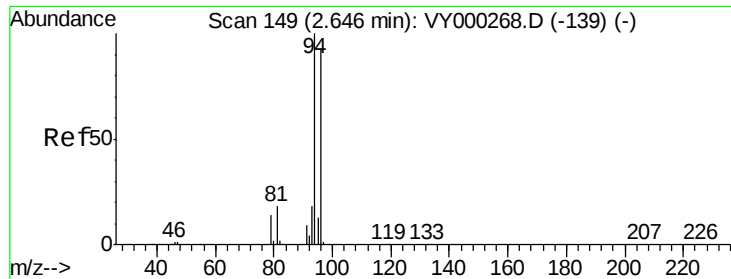
Tgt Ion: 62 Resp: 74838

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 24.362 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 94 Resp: 61201

Ion Ratio Lower Upper

94 100

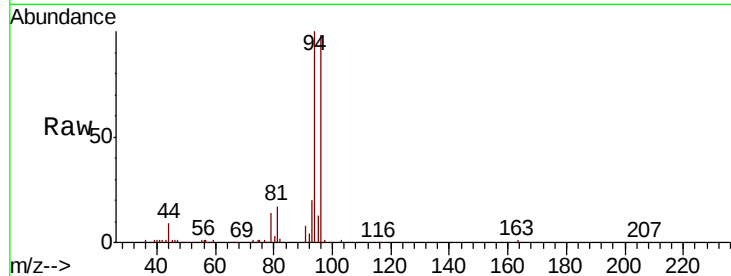
96 98.0 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

30000

25000

20000

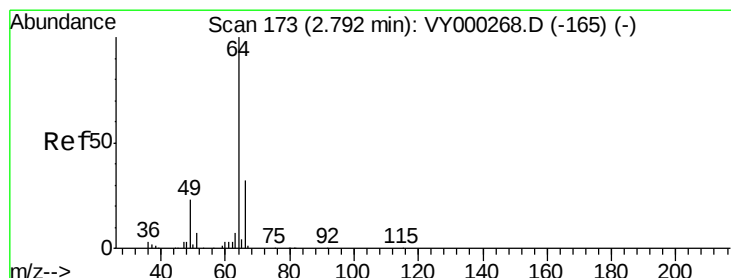
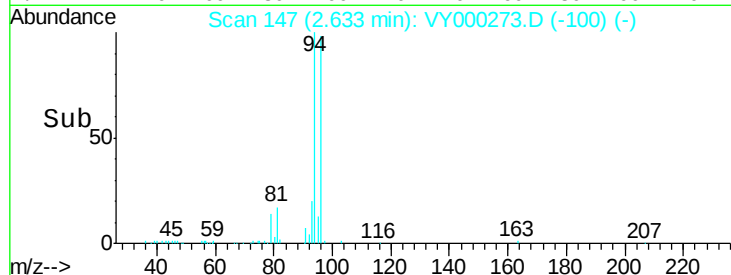
15000

10000

5000

0

Time--> 2.50 2.60 2.70 2.80



#6

Chloroethane

Concen: 21.432 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000273.D

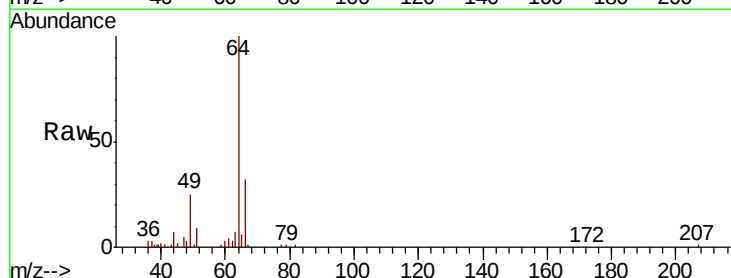
Acq: 11 Oct 2019 16:16

Tgt Ion: 64 Resp: 46874

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

25000

20000

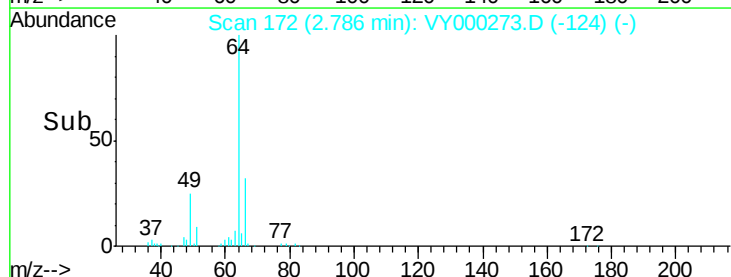
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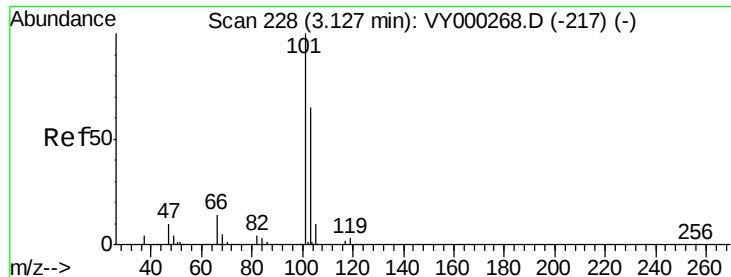
10000

5000

0

Time--> 2.70 2.80 2.90





#7

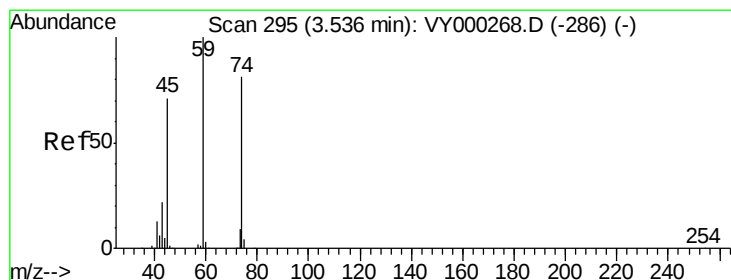
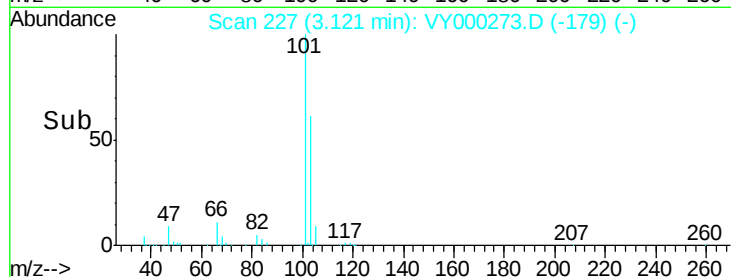
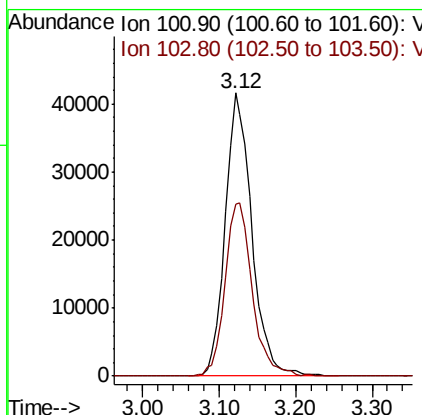
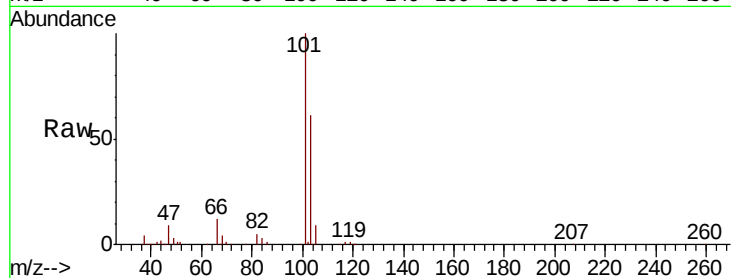
Trichlorofluoromethane
 Concen: 21.578 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	52.2	78.4

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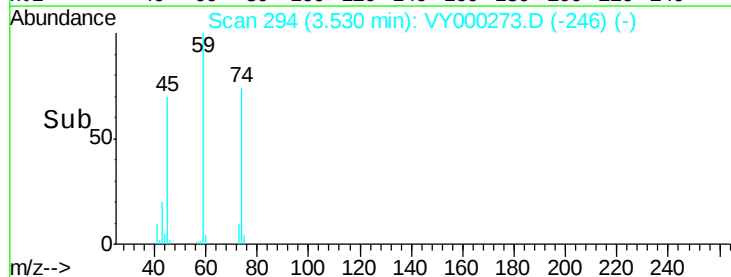
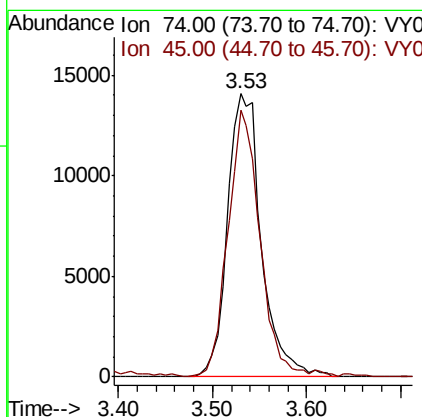
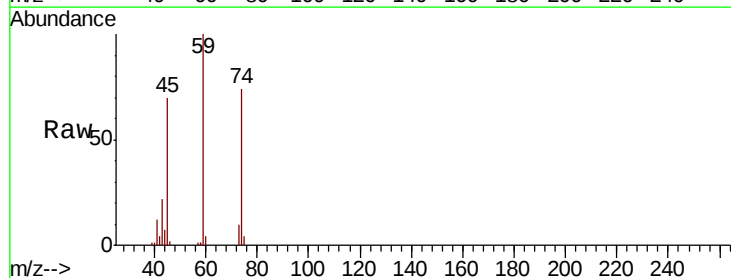
MMDadoda
 10/15/2019 12:34:01 PM

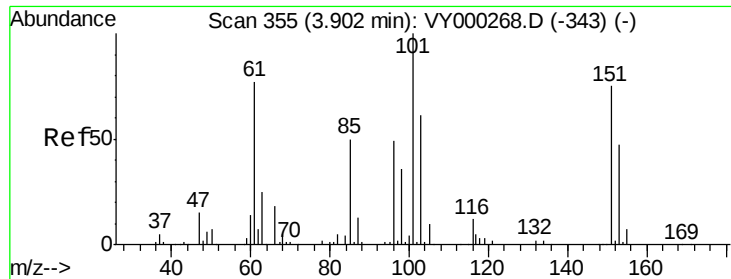


#8

Diethyl Ether
 Concen: 21.504 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.366 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

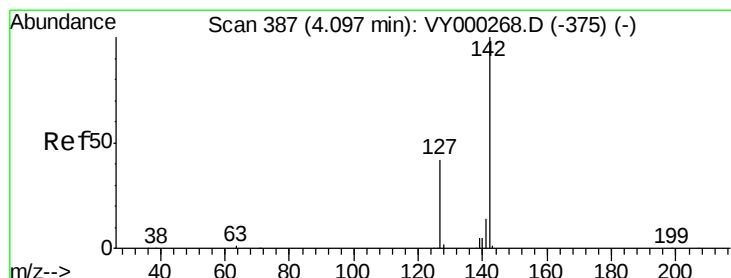
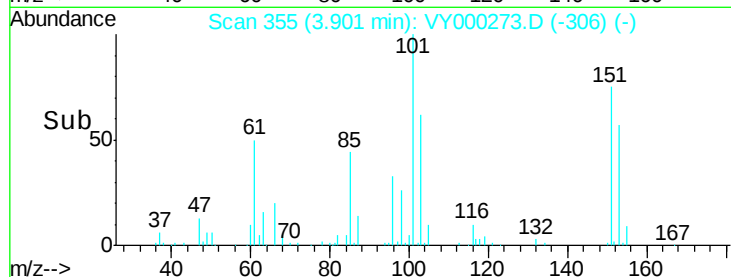
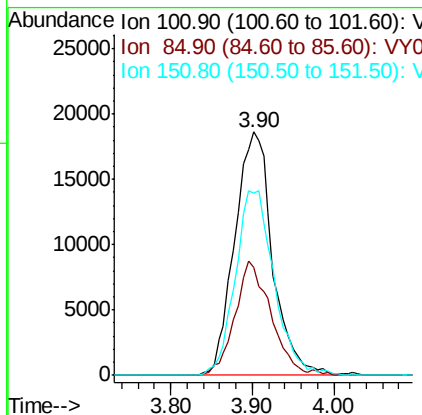
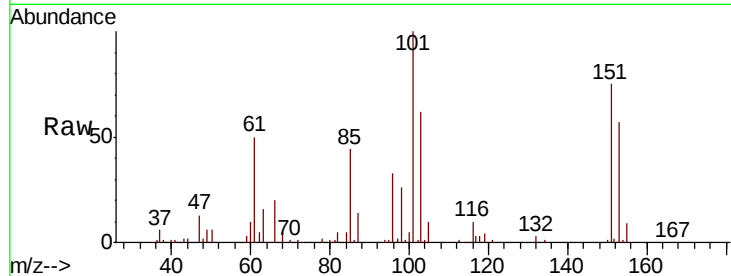
ClientSampleId :

VY1011SBS01

Tot Ion:	101	Resp:	60080
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	55.0
151	77.7	63.1	94.7

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#10

Methyl Iodide

Concen: 17.178 ug/l

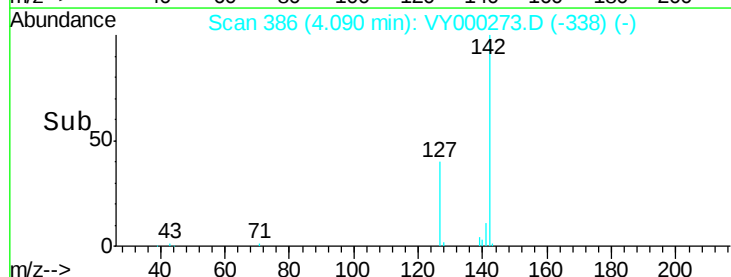
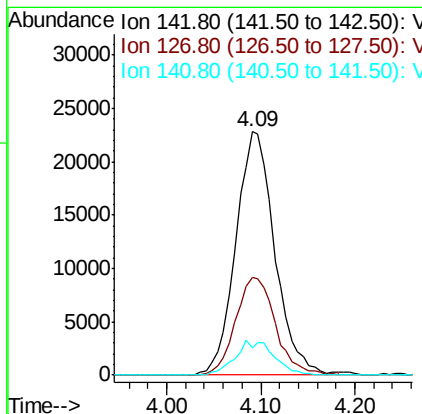
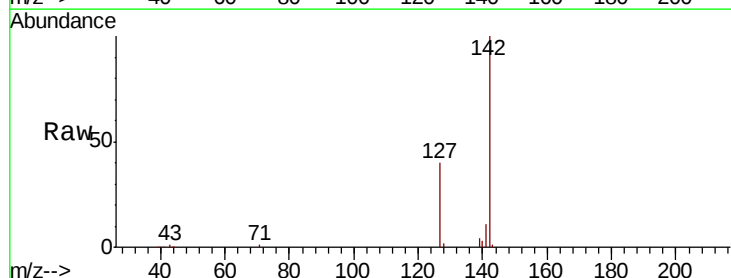
RT: 4.09 min Scan# 386

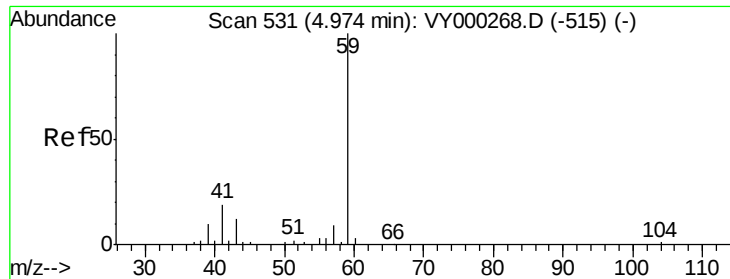
Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	142	Resp:	65610
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.9	50.9
141	14.1	11.2	16.8





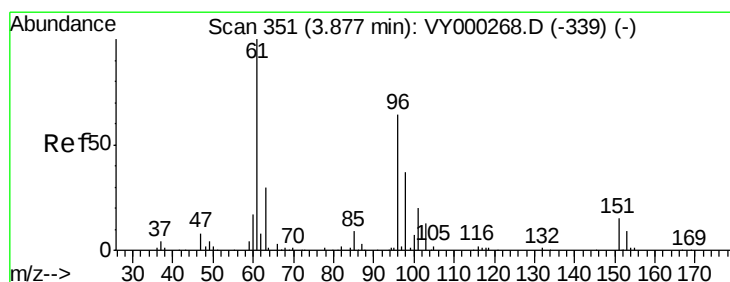
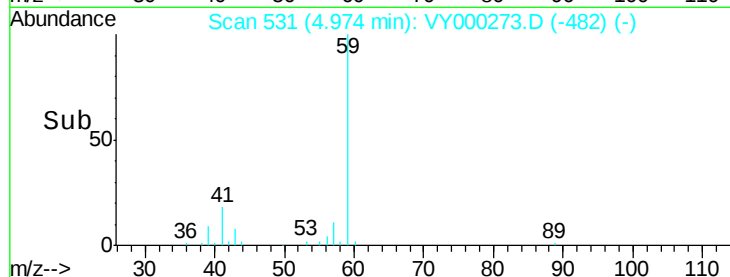
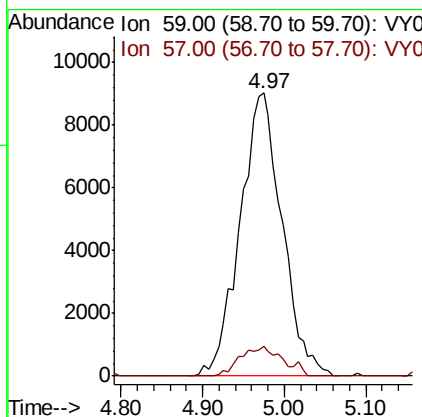
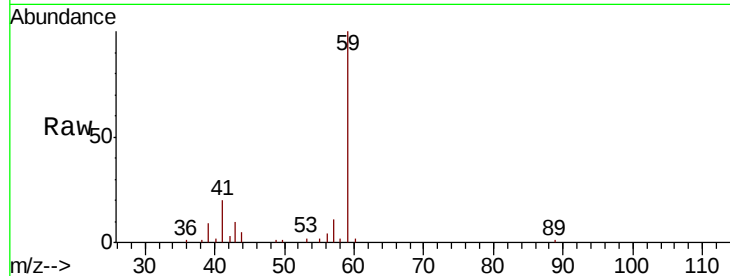
#11
Tert butyl alcohol
Concen: 106.493 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 59 Resp: 32312
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

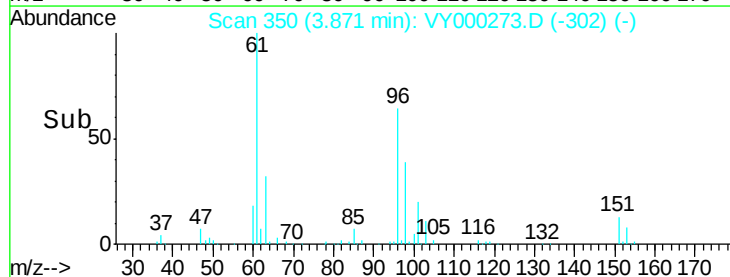
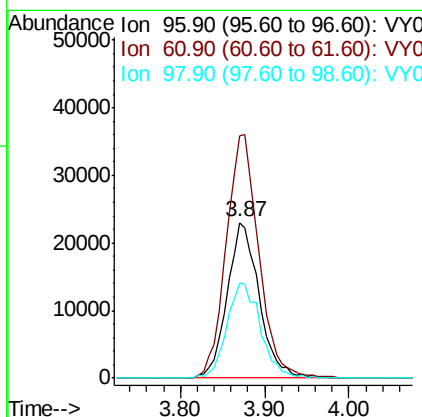
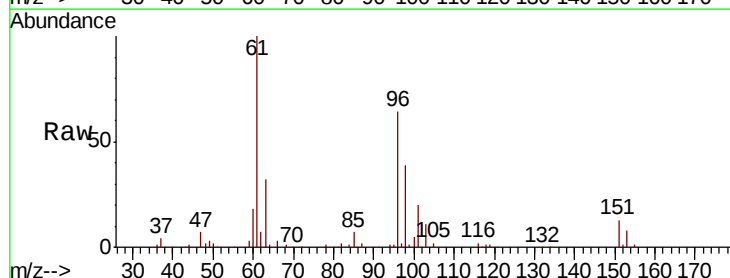
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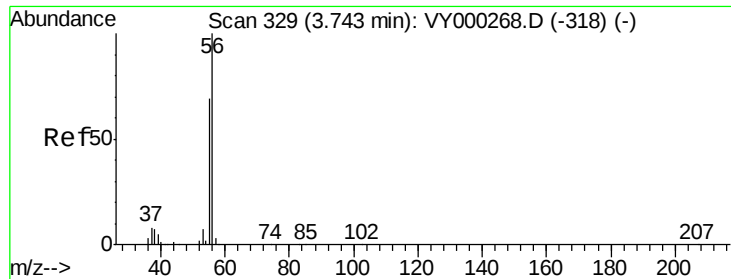
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.354 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion: 96 Resp: 59280
Ion Ratio Lower Upper
96 100
61 155.0 125.8 188.6
98 61.3 46.2 69.2





#13

Acrolein

Concen: 95.987 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 56 Resp: 34145

Ion Ratio Lower Upper

56 100

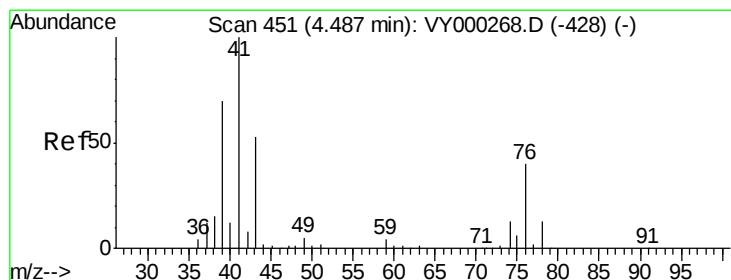
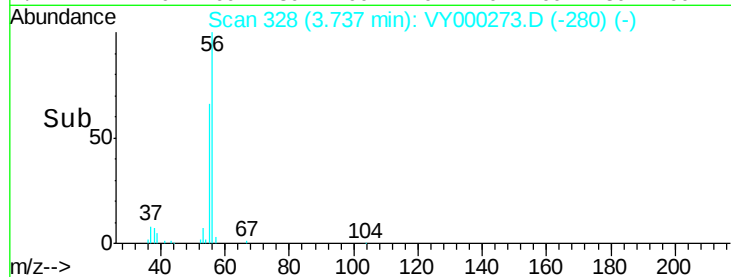
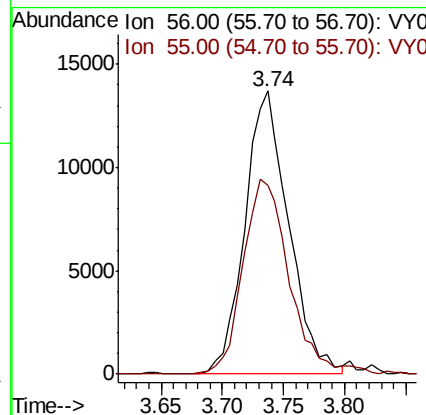
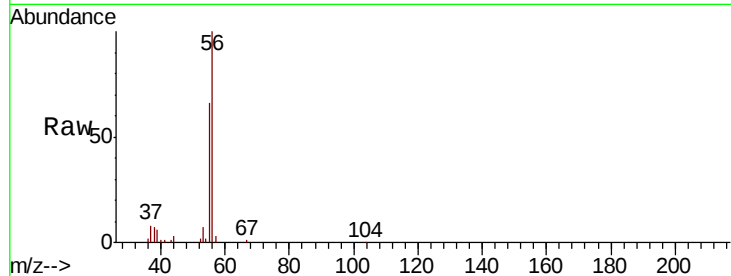
55 72.7 55.7 83.5

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#14

Allyl chloride

Concen: 21.145 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

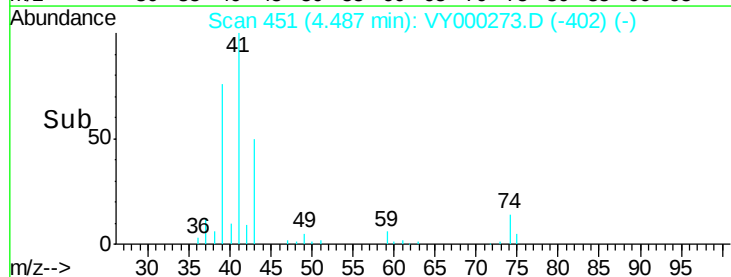
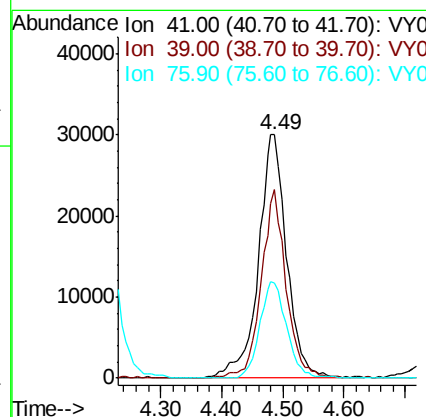
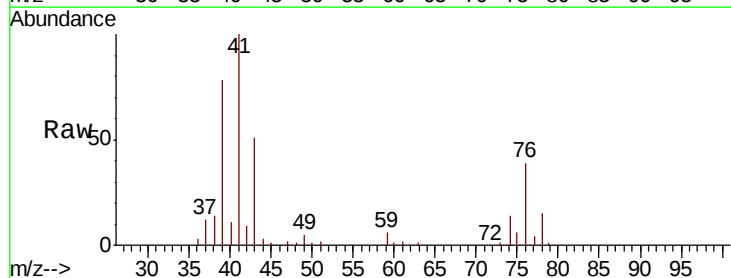
Tgt Ion: 41 Resp: 97275

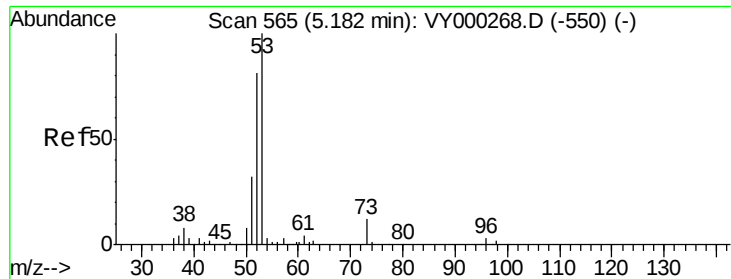
Ion Ratio Lower Upper

41 100

39 67.9 54.0 81.0

76 37.6 30.7 46.1





#15

Acrylonitrile

Concen: 104.444 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

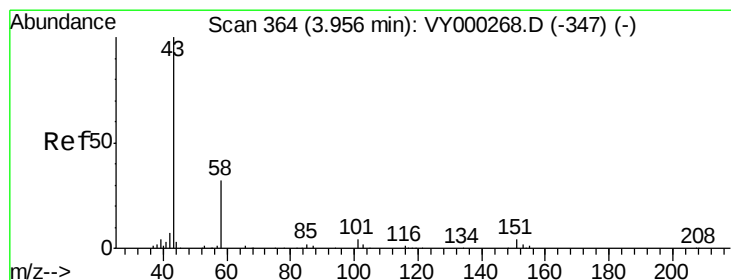
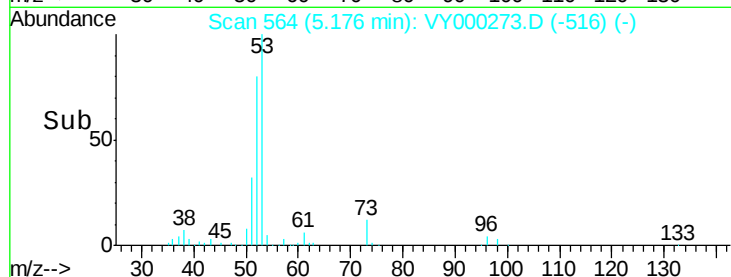
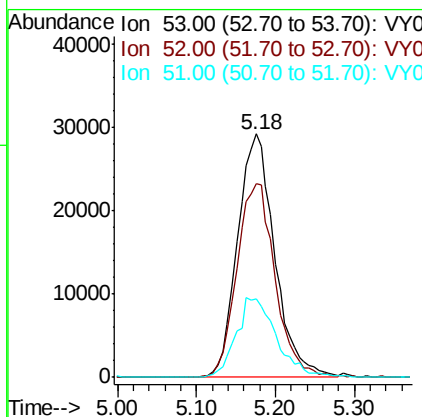
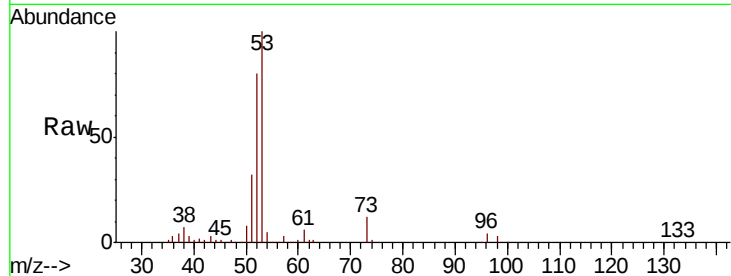
ClientSampleId :

VY1011SBS01

Tot Ion:	53	Resp:	95756
Ion Ratio		Lower	Upper
53	100		
52	82.1	62.9	94.3
51	35.6	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 96.261 ug/l

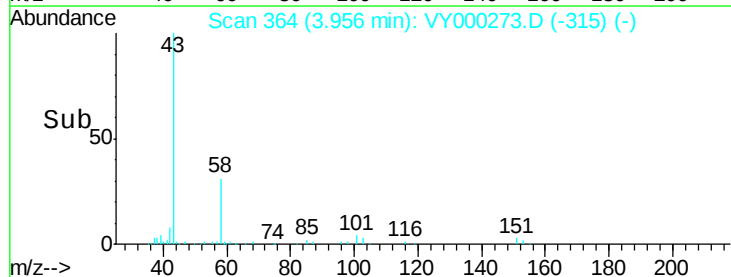
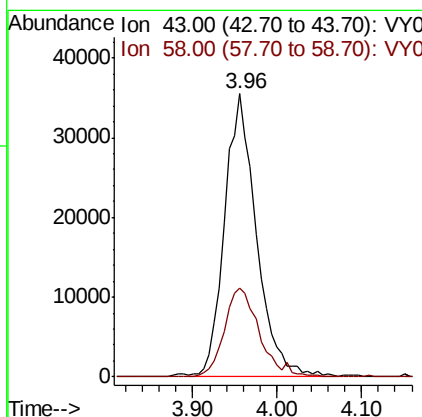
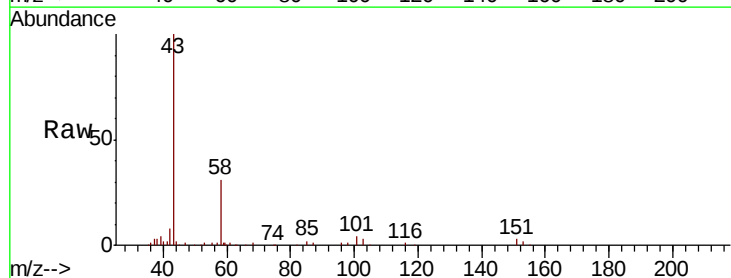
RT: 3.96 min Scan# 364

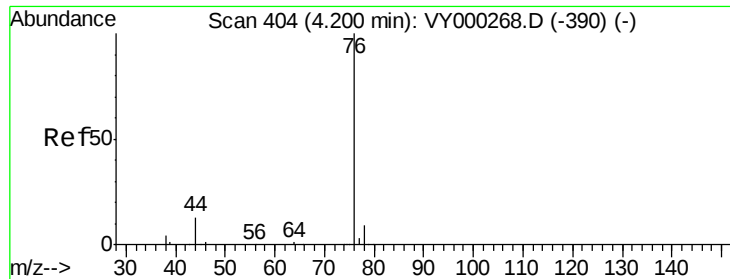
Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	43	Resp:	90382
Ion Ratio		Lower	Upper
43	100		
58	31.2	25.8	38.6





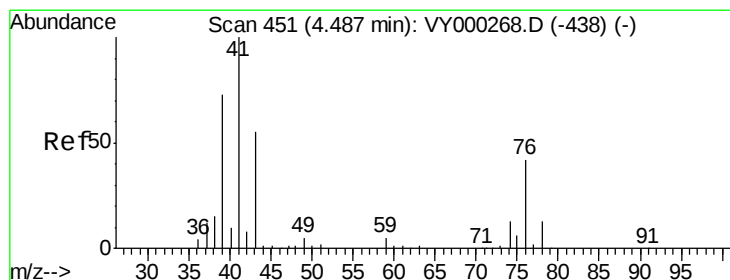
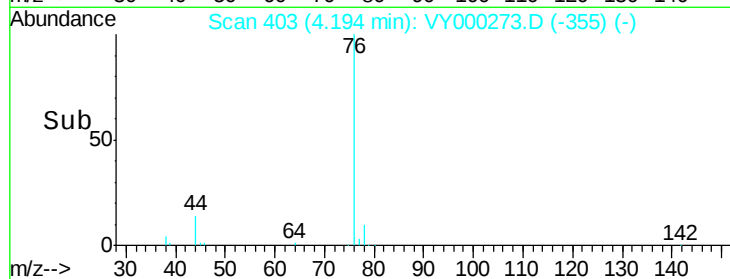
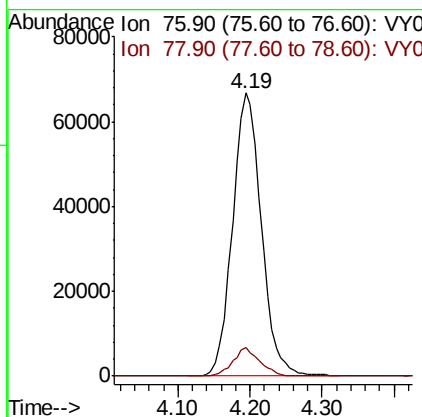
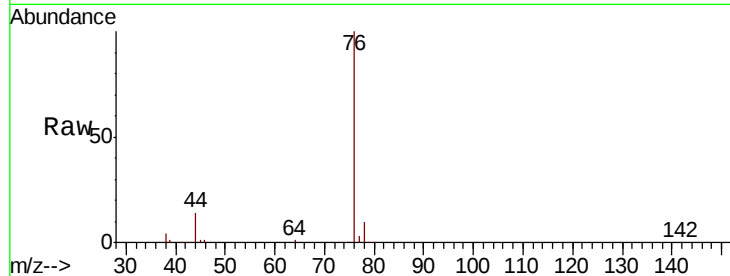
#17
Carbon Disulfide
Concen: 21.195 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.4

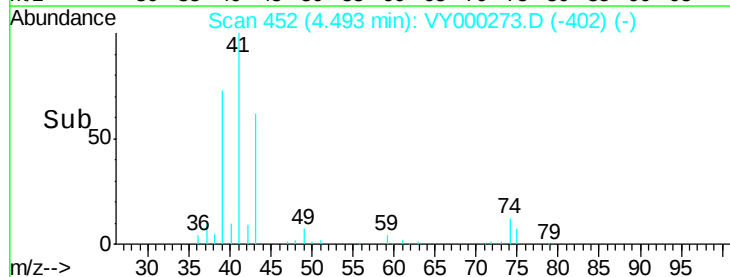
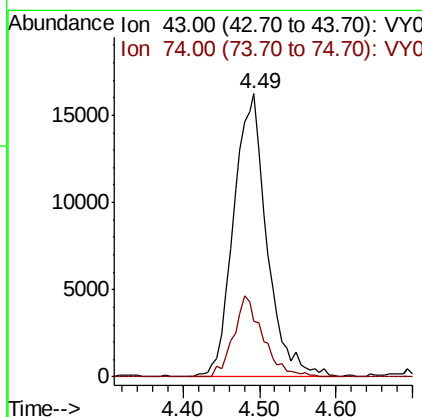
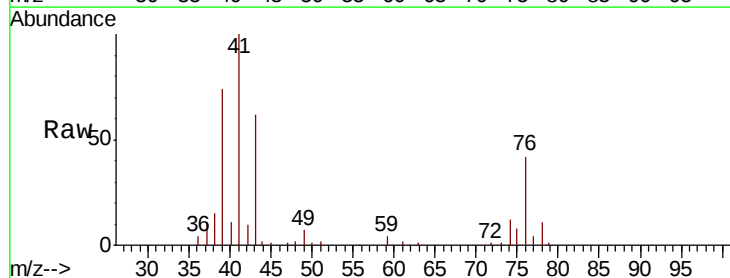
Manual Integrations
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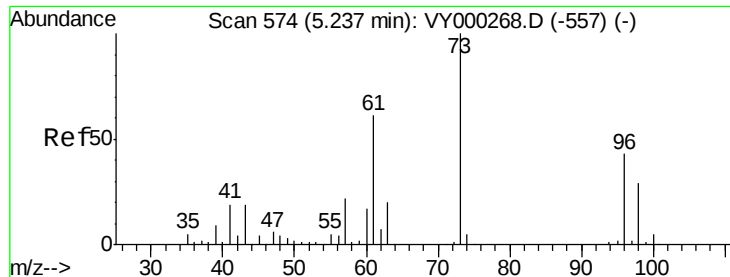
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#18
Methyl Acetate
Concen: 20.966 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.4	30.6





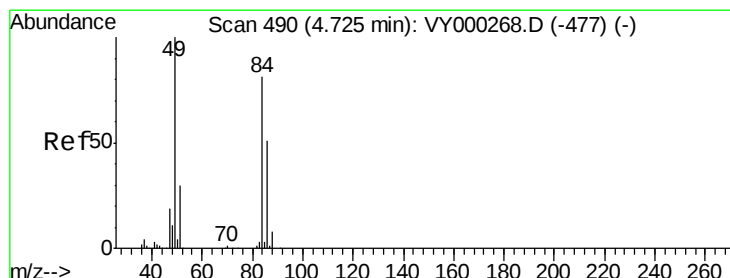
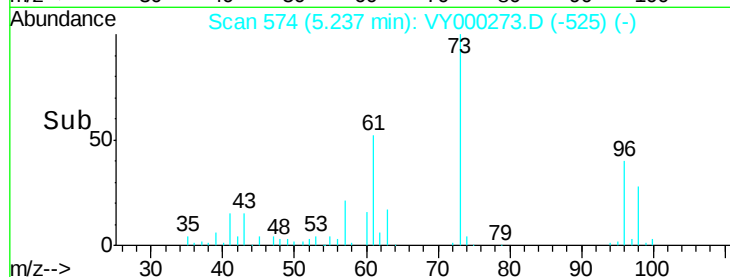
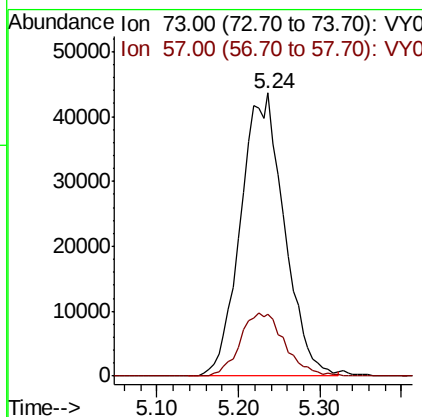
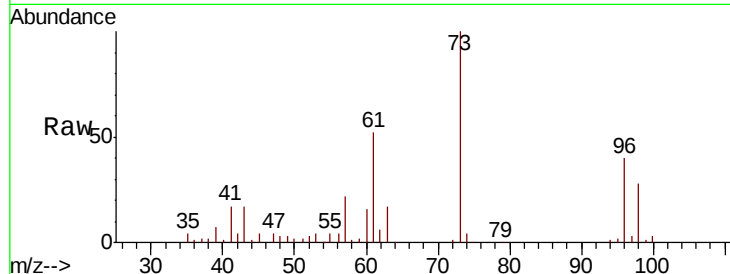
#19
Methvl tert-butvl Ether
Concen: 20.931 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 73 Resp: 161749
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0

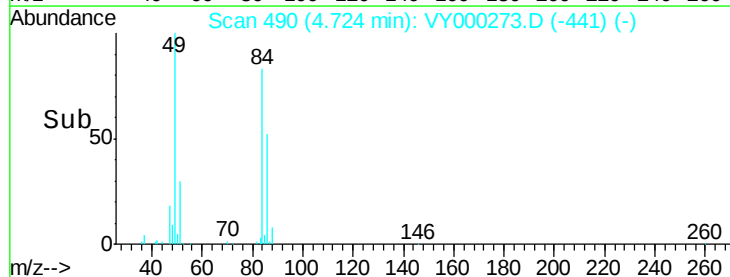
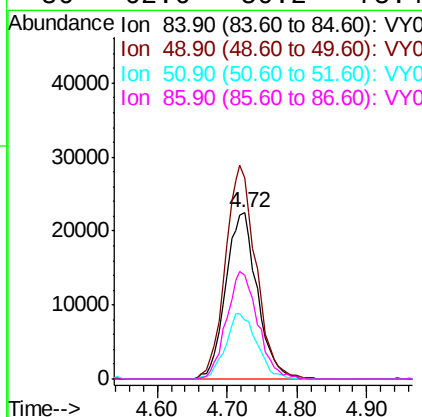
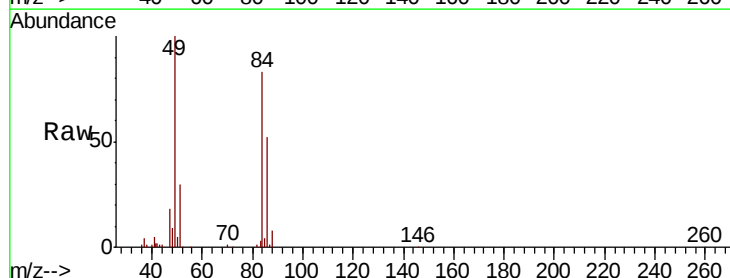
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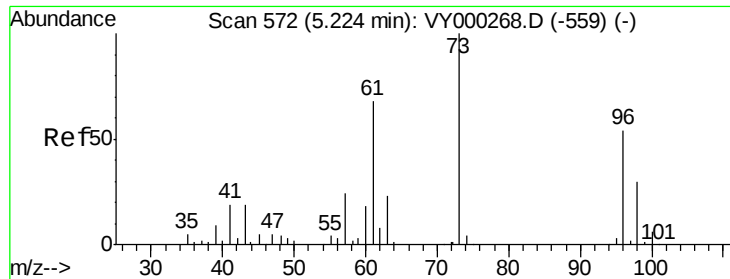
MMDadoda
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#20
Methylene Chloride
Concen: 18.892 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion: 84 Resp: 70466
Ion Ratio Lower Upper
84 100
49 121.2 99.0 148.4
51 35.9 29.3 43.9
86 62.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.499 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 96 Resp: 65289

Ion Ratio Lower Upper

96 100

61 127.4 100.4 150.6

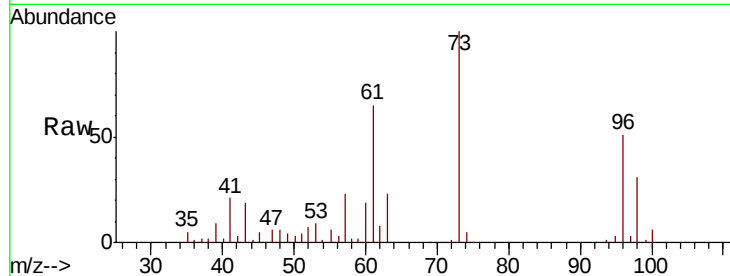
98 61.2 44.6 66.8

Manual Integrations

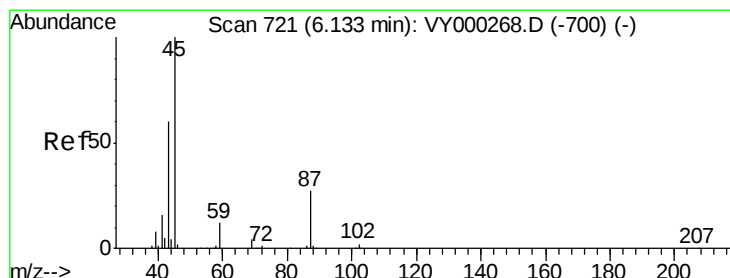
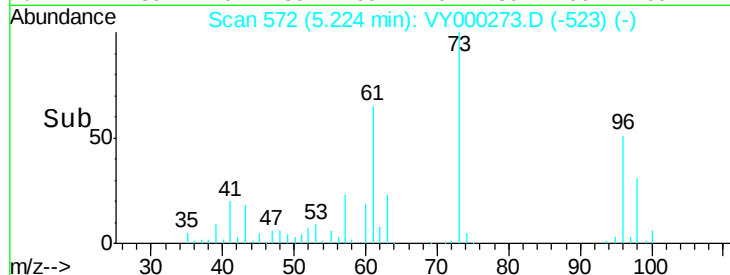
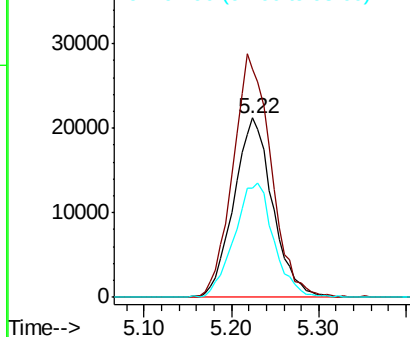
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 20.761 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion: 45 Resp: 202001

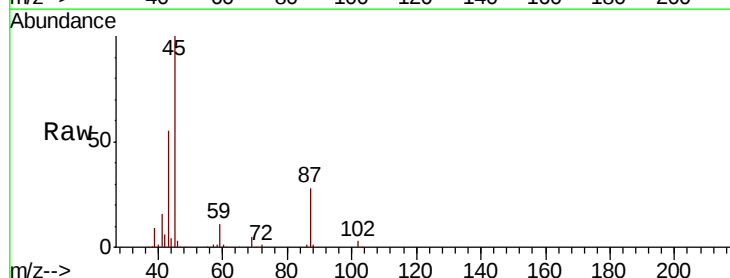
Ion Ratio Lower Upper

45 100

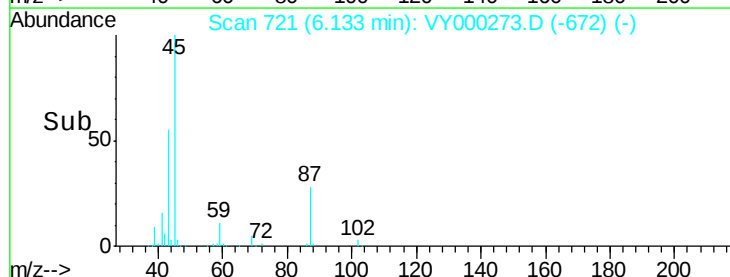
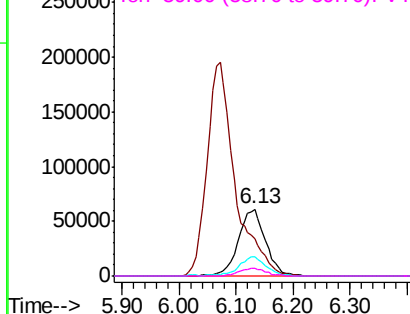
43 55.2 48.5 72.7

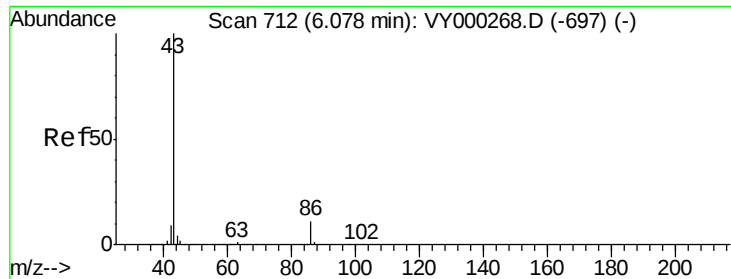
87 28.1 21.5 32.3

59 10.7 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 105.312 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 43 Resp: 668481

Ion Ratio Lower Upper

43 100

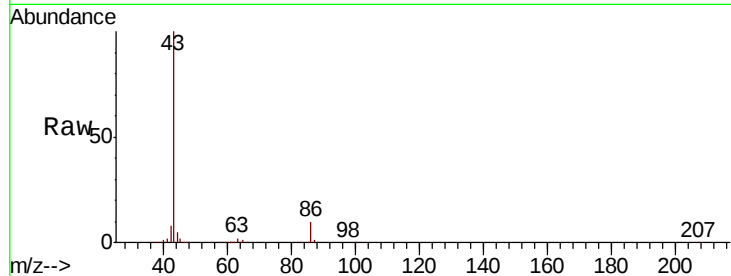
86 10.3 8.6 13.0

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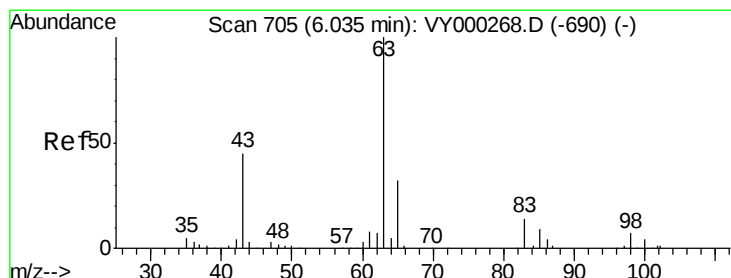
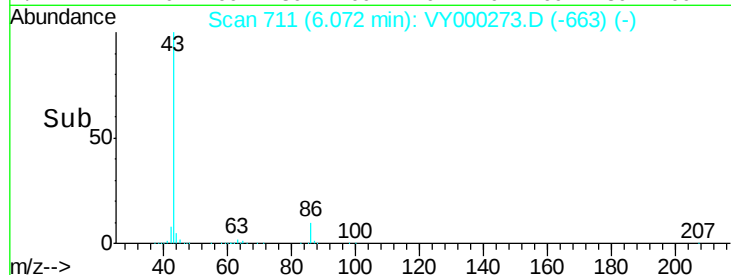
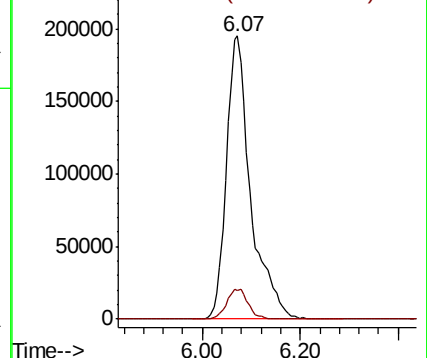
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 21.174 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

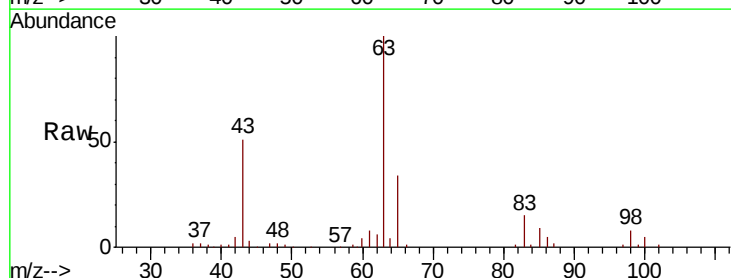
Tgt Ion: 63 Resp: 112453

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.4

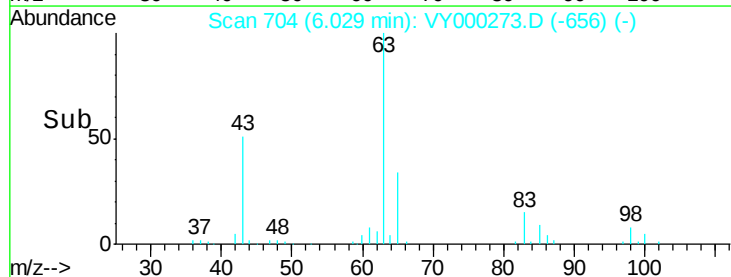
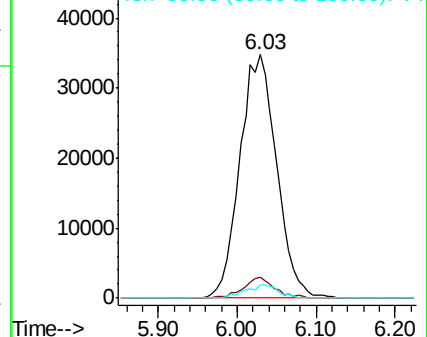
100 5.5 2.1 6.2

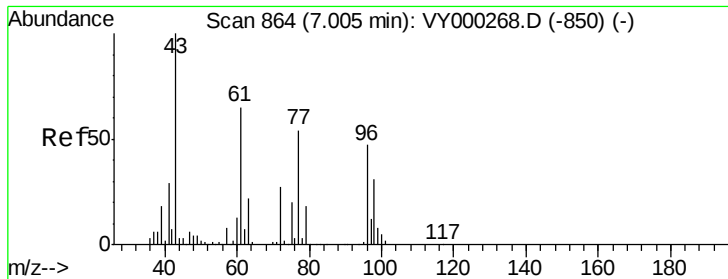


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 102.475 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 43 Resp: 135539

Ion Ratio Lower Upper

43 100

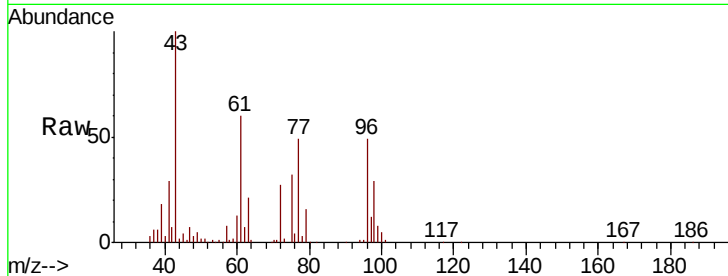
72 26.8 21.4 32.2

Manual Integrations

APPROVED

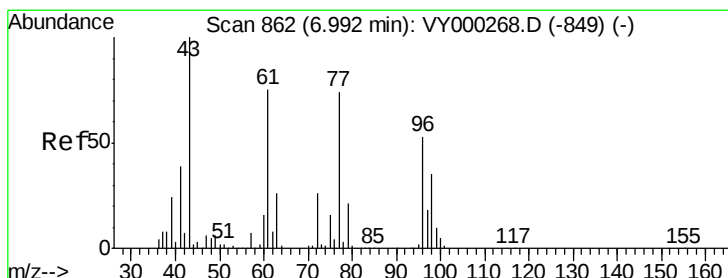
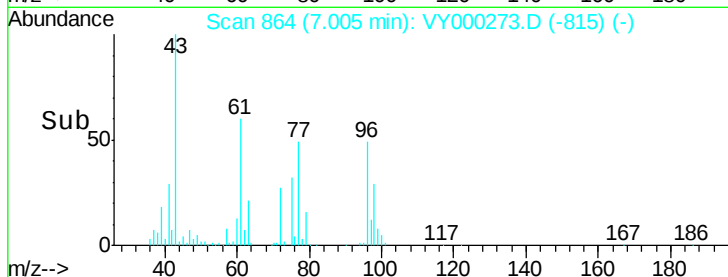
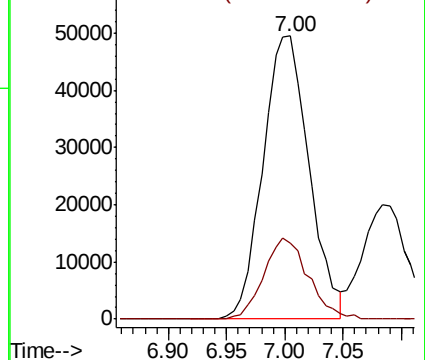
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.751 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000273.D

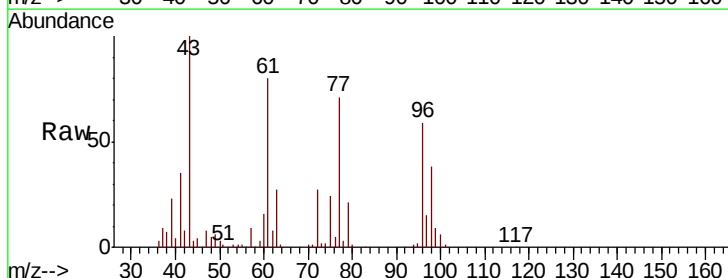
Acq: 11 Oct 2019 16:16

Tgt Ion: 77 Resp: 101552

Ion Ratio Lower Upper

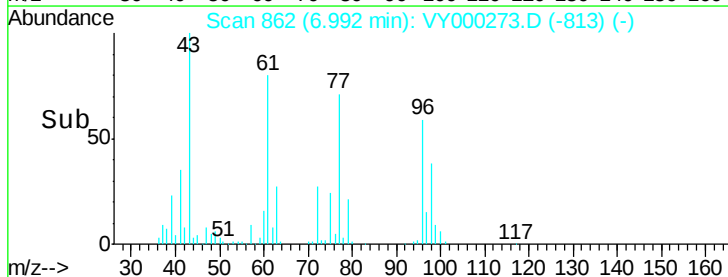
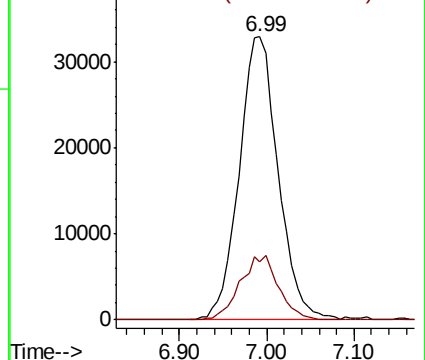
77 100

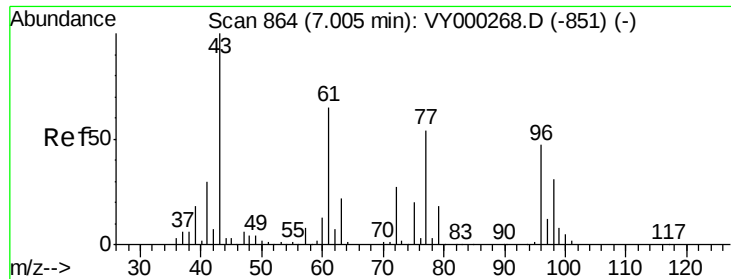
97 22.3 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





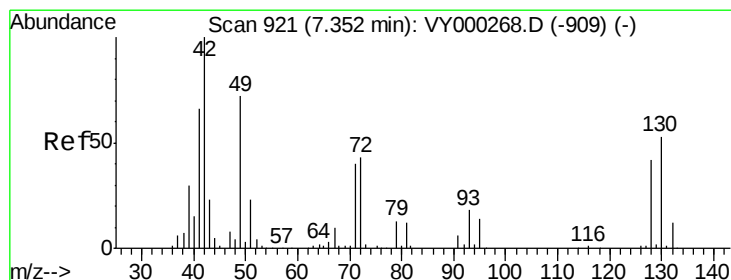
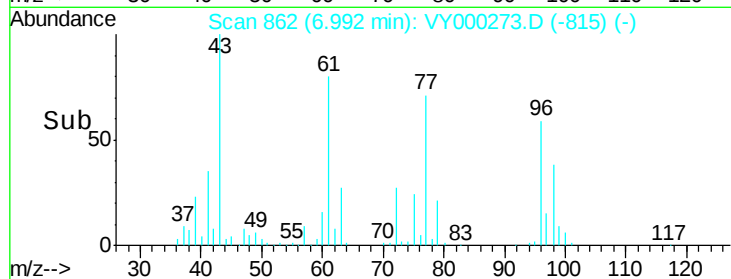
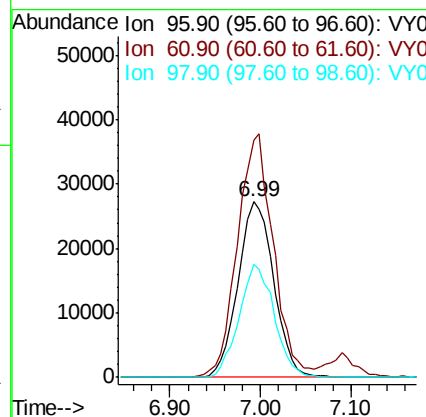
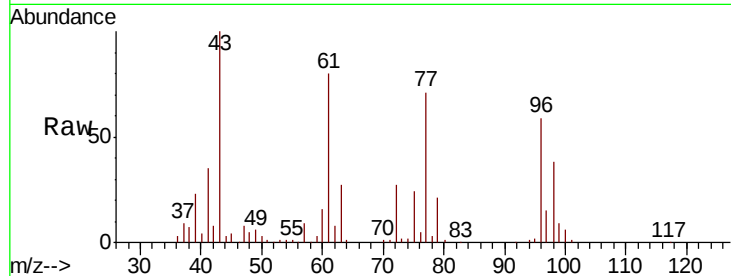
#27
 cis-1,2-Dichloroethene
 Concen: 21.615 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.8	0.0	289.8	
98	63.3	0.0	131.8	

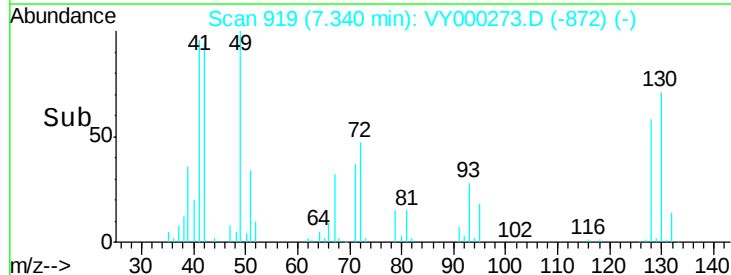
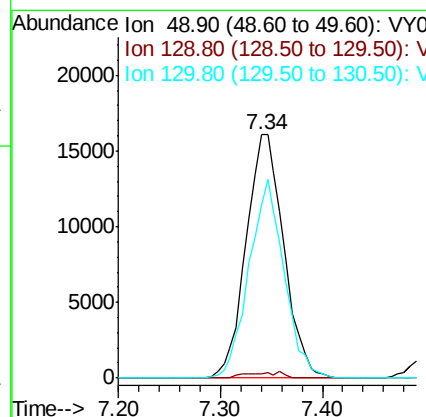
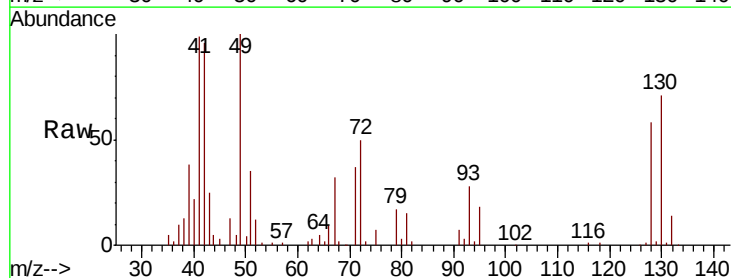
Manual Integrations
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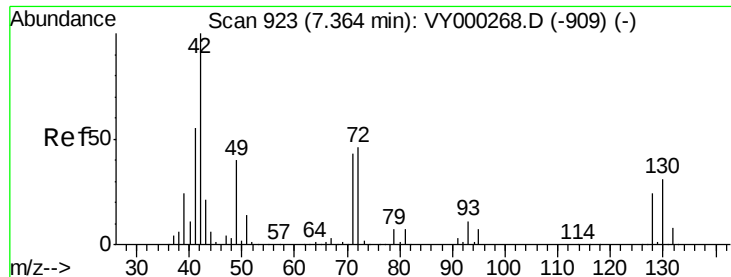
MMDadoda
 10/15/2019 12:34:01 PM



#28
 Bromochloromethane
 Concen: 18.085 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	76.3	58.2	87.2	





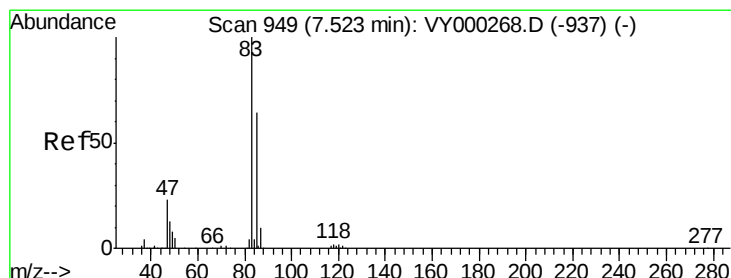
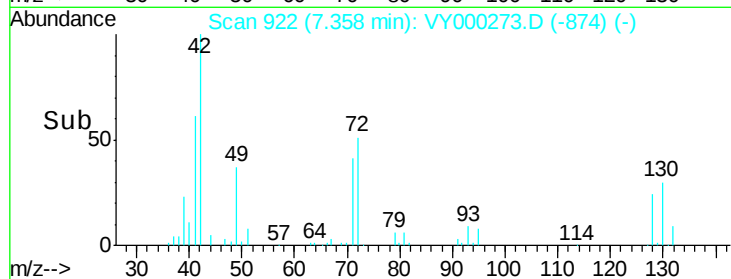
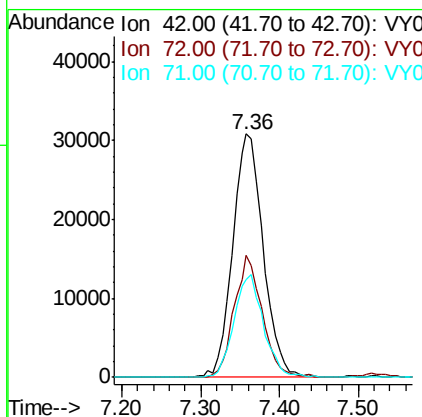
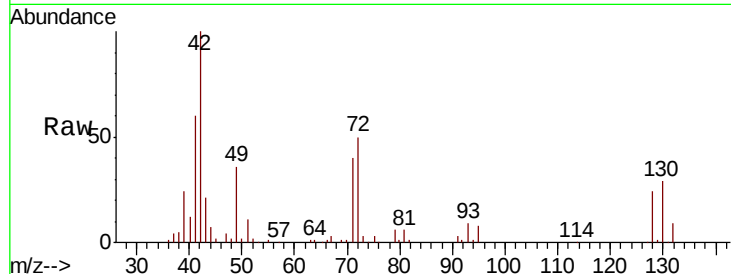
#29
Tetrahydrofuran
Concen: 103.503 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	34.5	51.7
71	40.8	32.7	49.1

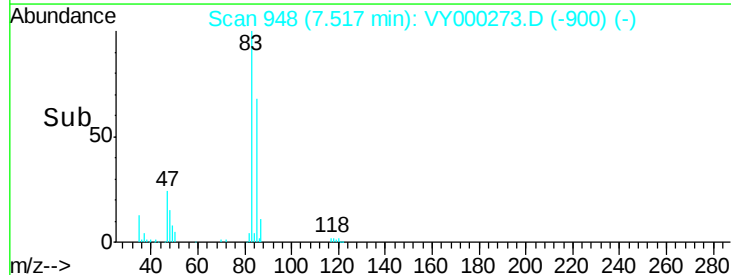
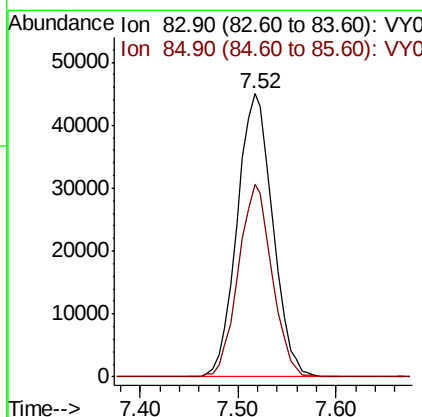
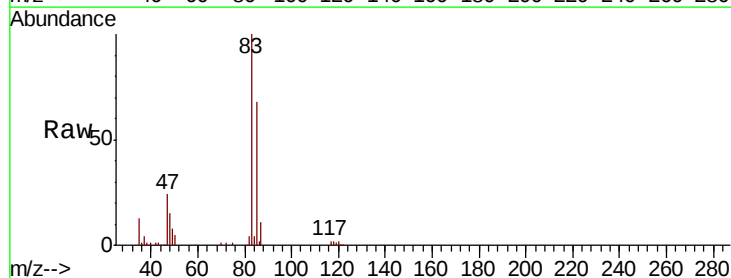
Manual Integrations
APPROVED

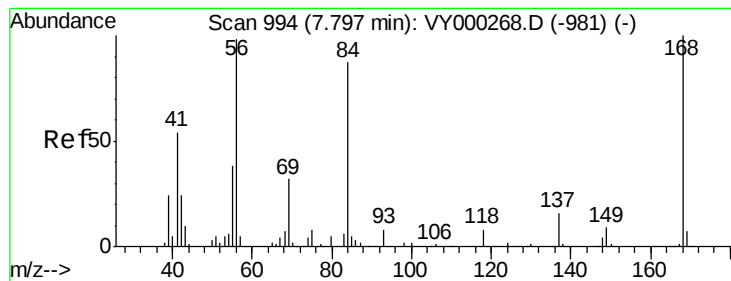
MMDadoda
10/15/2019 12:34:01 PM



#30
Chloroform
Concen: 21.191 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	51.4	77.2





#31

Cyclohexane

Concen: 20.599 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

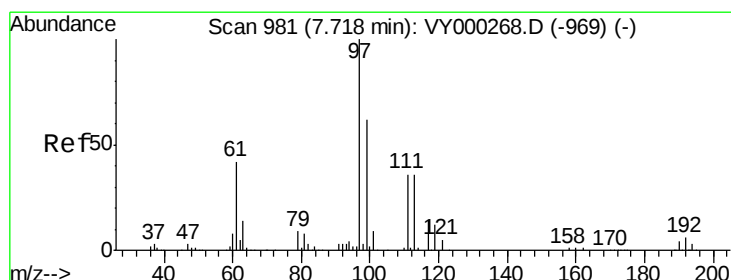
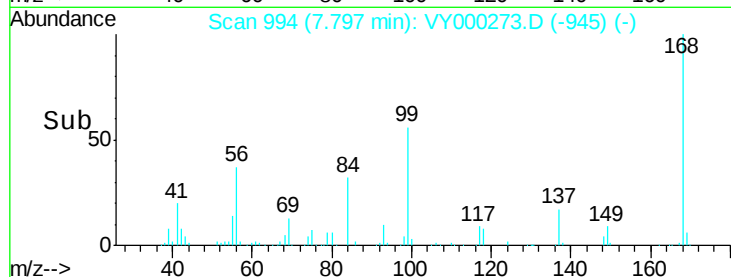
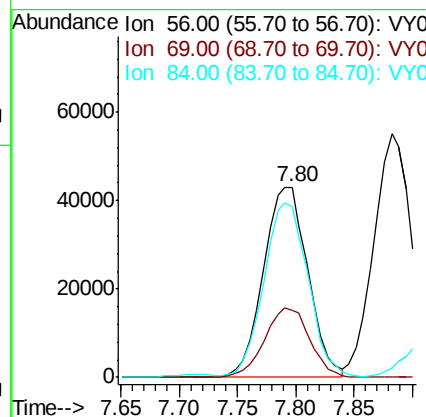
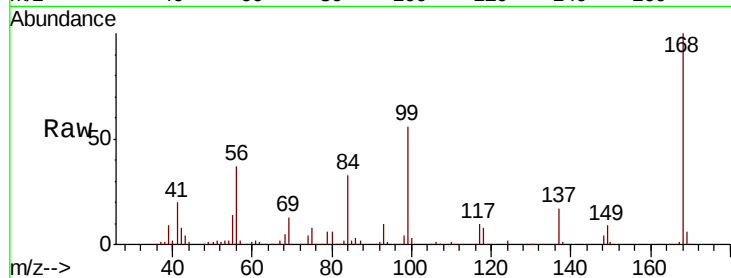
ClientSampleId :

VY1011SBS01

Tot Ion:	56	Resp:	114261
Ion Ratio	Lower	Upper	
56	100		
69	35.3	26.3	39.5
84	88.7	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.866 ug/l

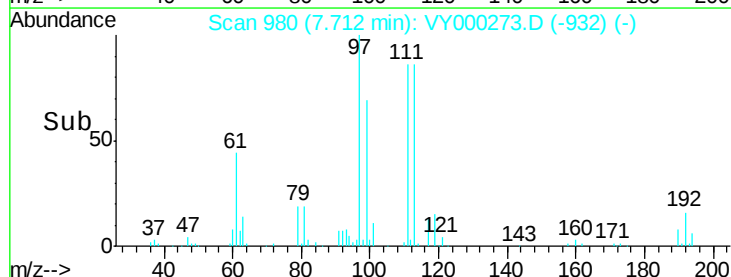
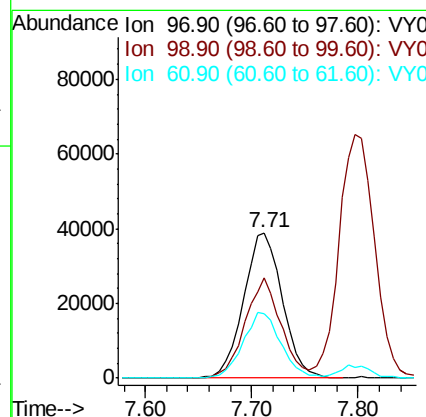
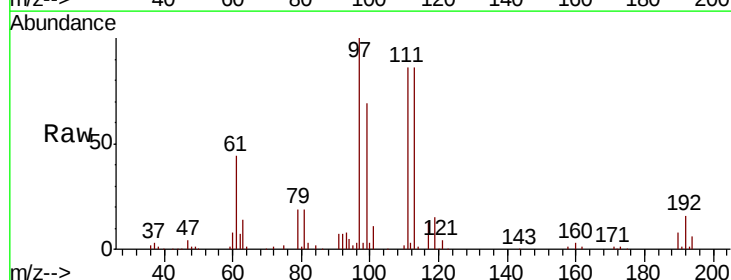
RT: 7.71 min Scan# 980

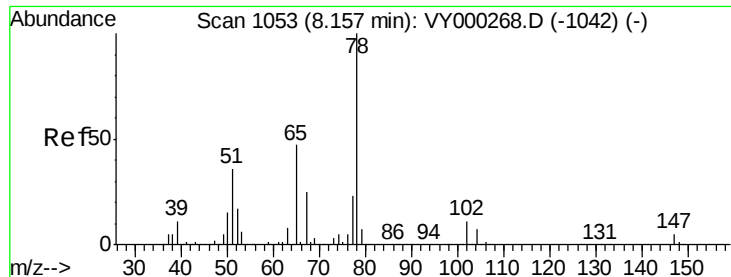
Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	97	Resp:	99216
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.7	77.5
61	44.4	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 52.753 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 65 Resp: 152948

Ion Ratio Lower Upper

65 100

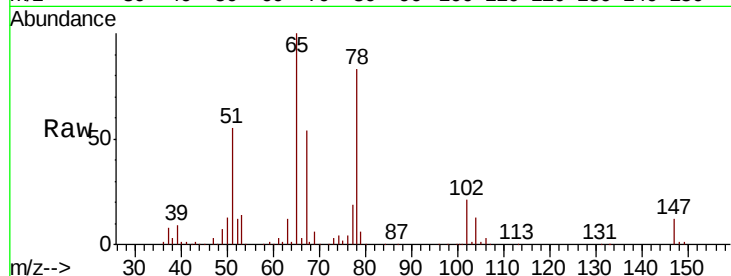
67 52.3 0.0 109.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY000273.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY000273.D (-1044) (-)

8.15

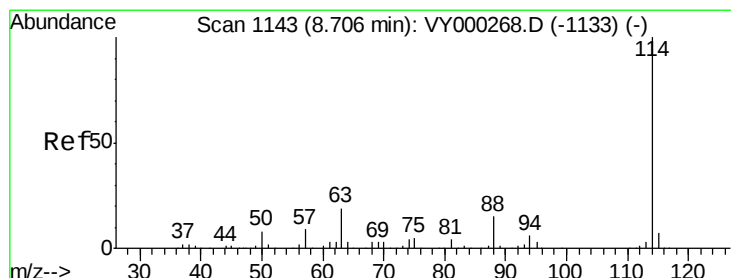
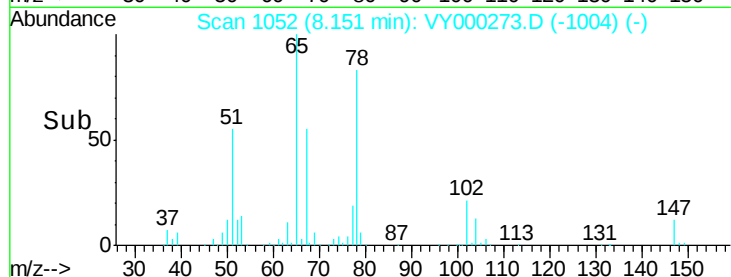
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

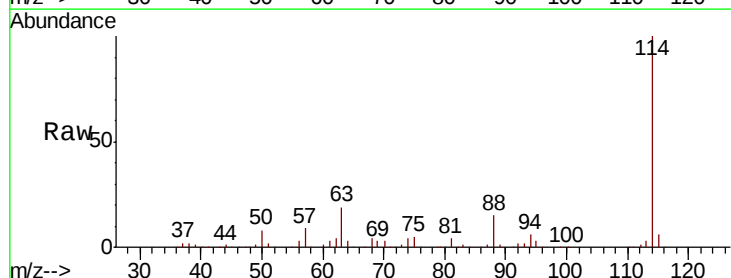
Tgt Ion: 114 Resp: 457888

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.2

88 15.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VY000273.D (-1094) (-)

Ion 63.00 (62.70 to 63.70): VY000273.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY000273.D (-1094) (-)

8.70

300000

250000

200000

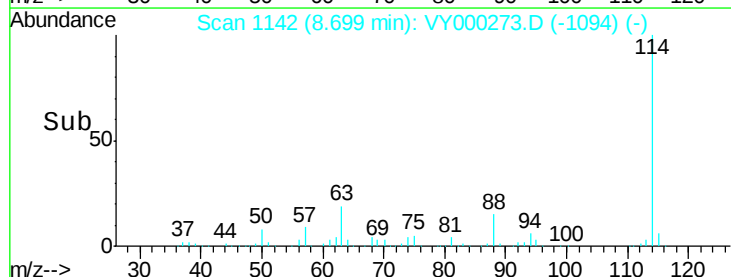
150000

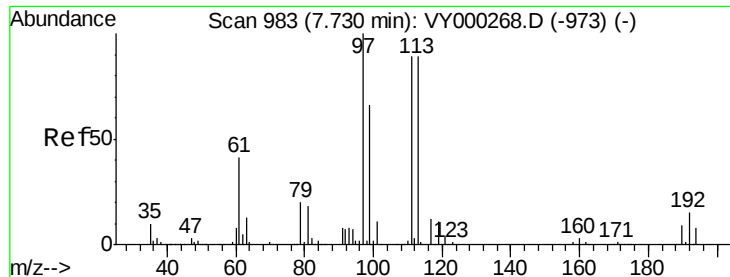
100000

50000

0

Time-->





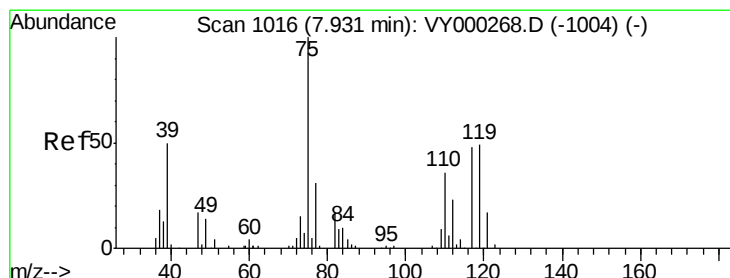
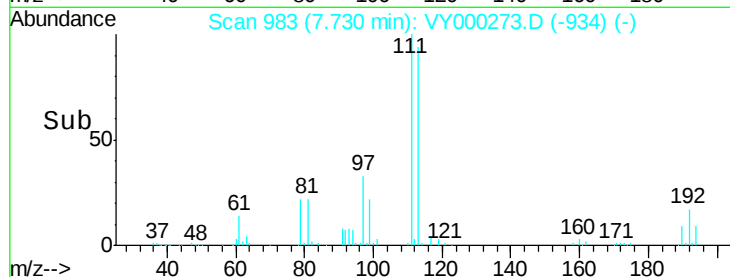
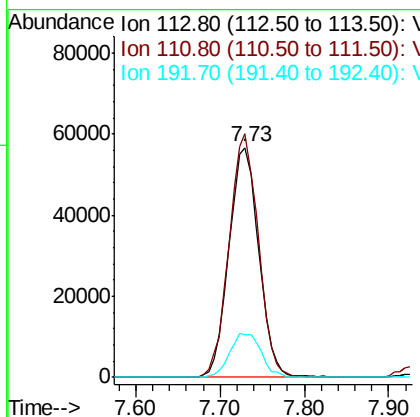
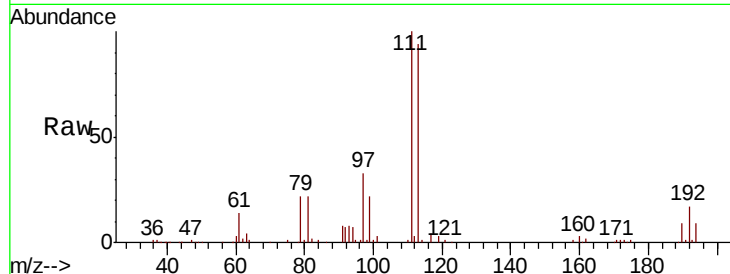
#35
 Dibromofluoromethane
 Concen: 48.933 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.6	122.4
192	20.2	15.3	22.9

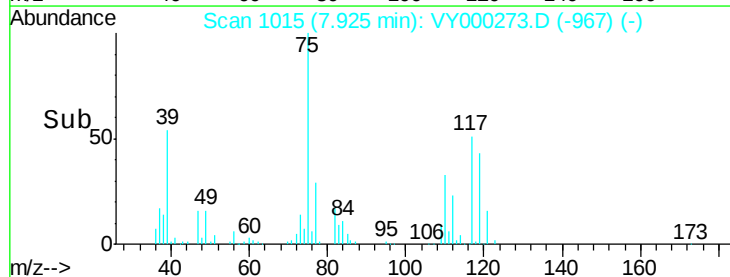
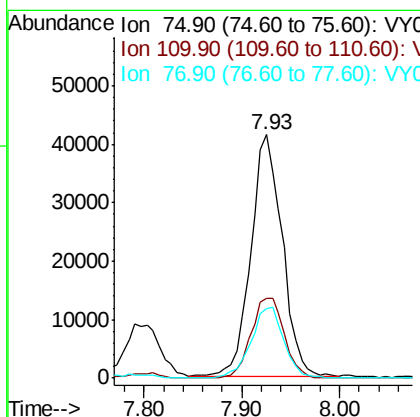
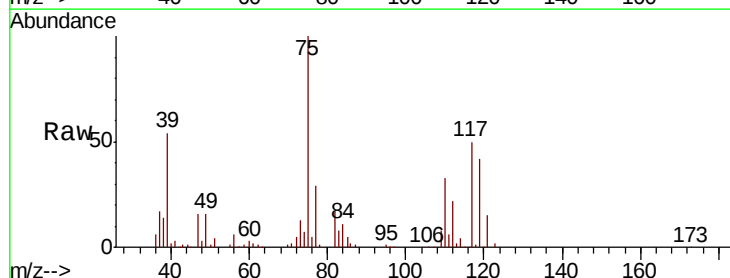
Manual Integrations
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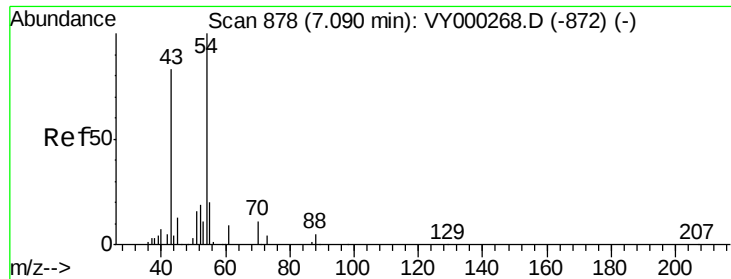
MMDadoda
 10/15/2019 12:34:01 PM



#36
 1,1-Dichloropropene
 Concen: 20.731 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.4
77	30.6	25.0	37.6





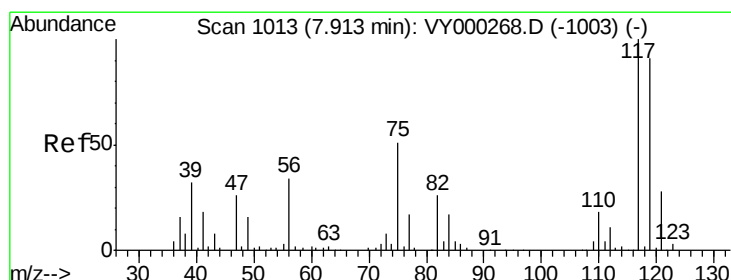
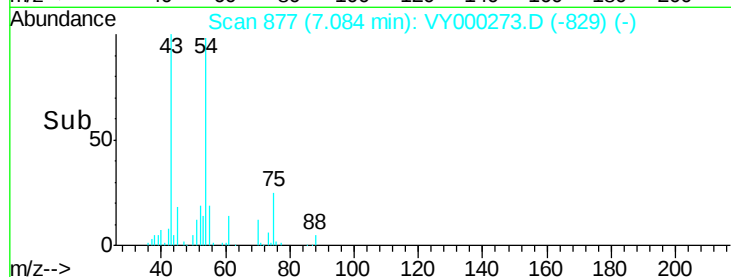
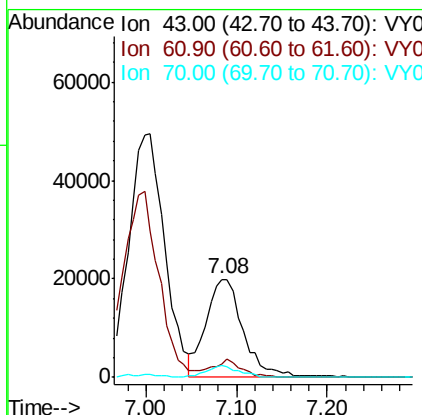
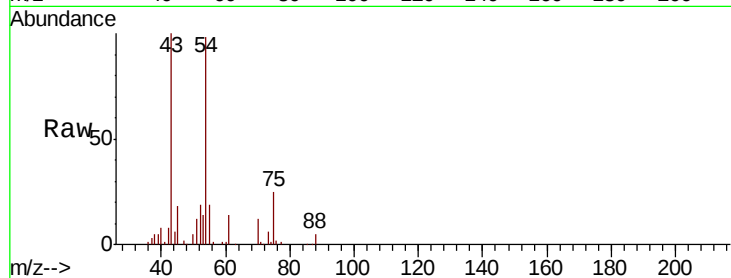
#37
Ethyl Acetate
Concen: 21.249 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	10.6	8.7	13.1

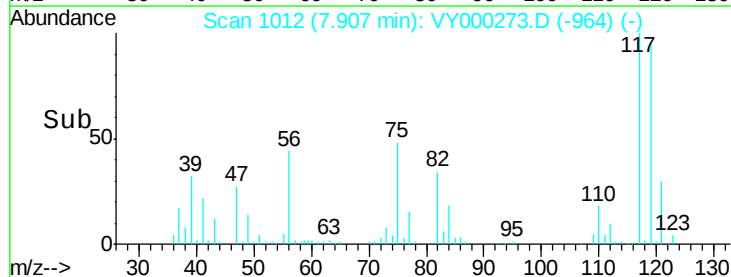
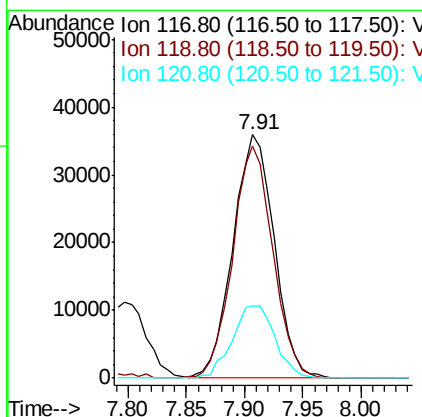
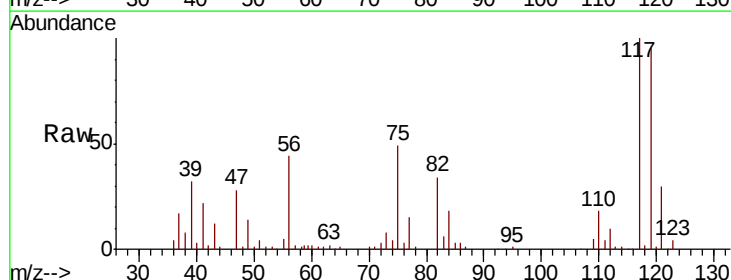
Manual Integrations
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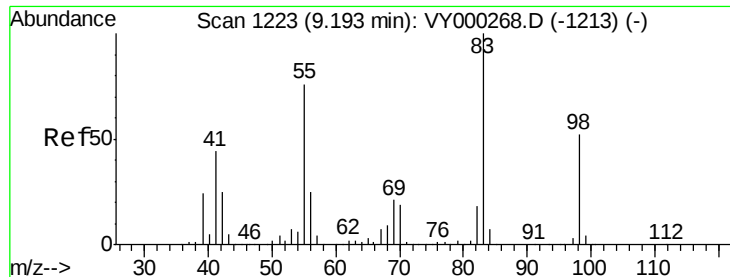
MMDadoda
10/15/2019 12:34:01 PM



#38
Carbon Tetrachloride
Concen: 20.422 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	72.8	109.2
121	29.6	22.2	33.2





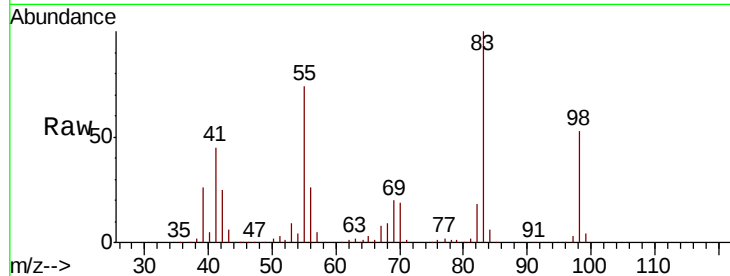
#39
Methvlcvclohexane
Concen: 20.078 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

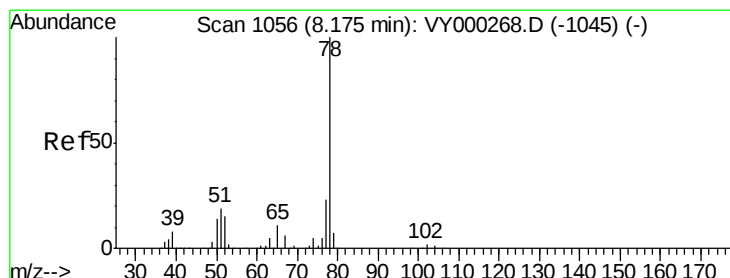
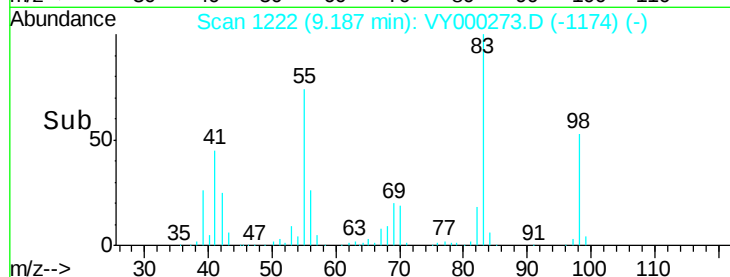
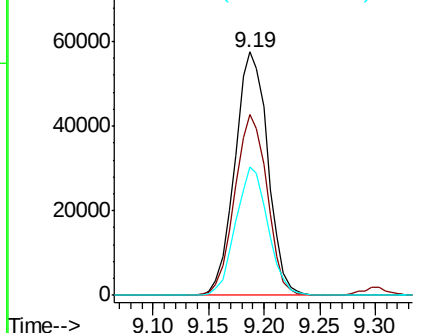
Tot Ion	Ratio	Resp	Lower	Upper
83	100	117807		
55	74.1	60.9	91.3	
98	52.9	41.8	62.6	

Manual Integrations
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10/15/2019 12:34:01 PM

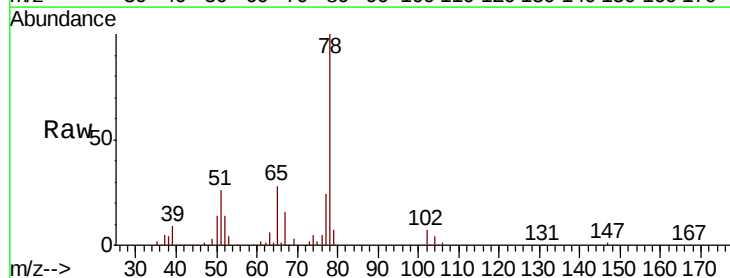


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

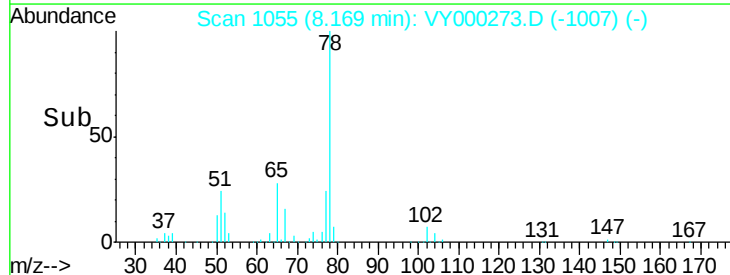
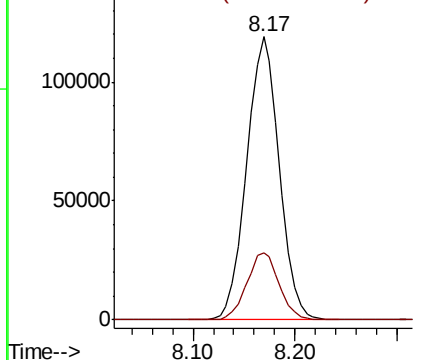


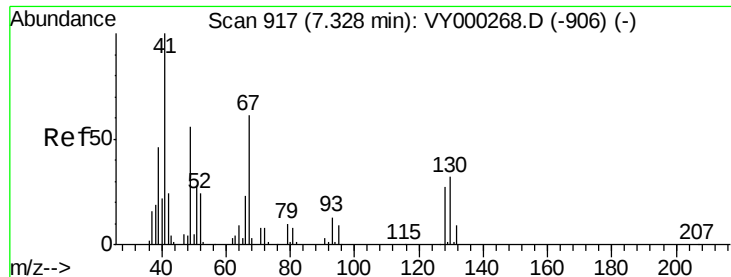
#40
Benzene
Concen: 20.386 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	264114		
77	23.9	18.8	28.2	



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 19.832 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 41 Resp: 25058

Ion Ratio Lower Upper

41 100

39 70.4 110.2 165.2#

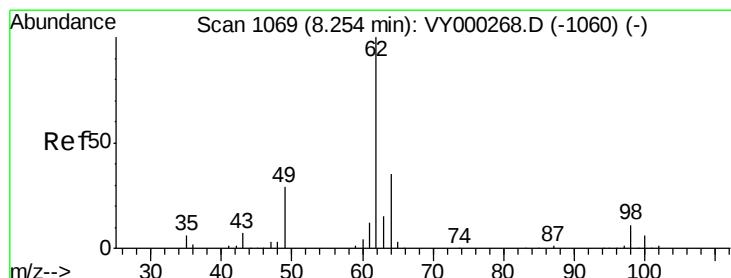
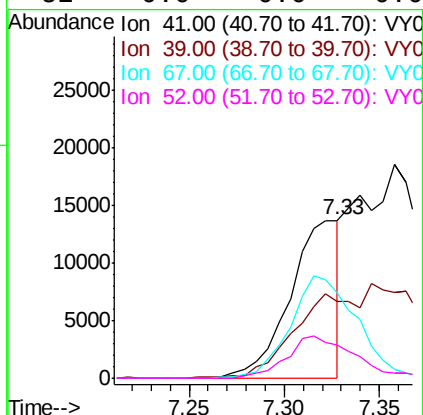
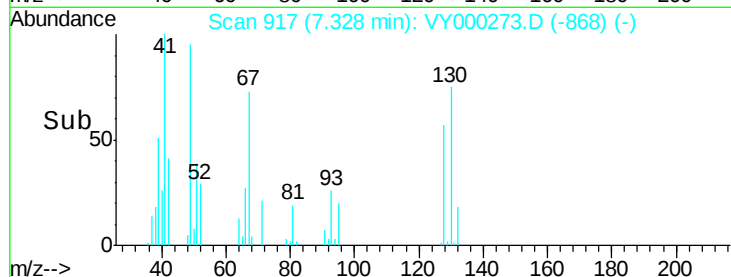
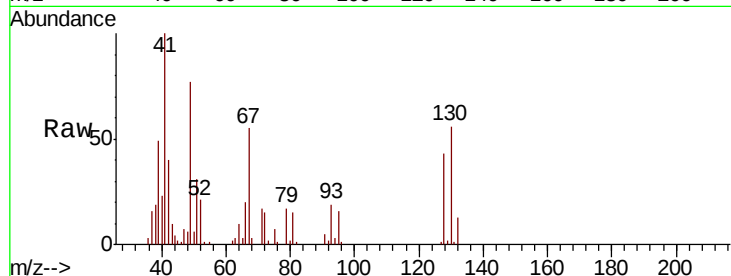
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 20.995 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000273.D

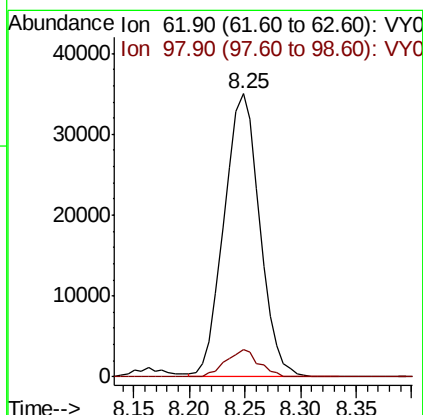
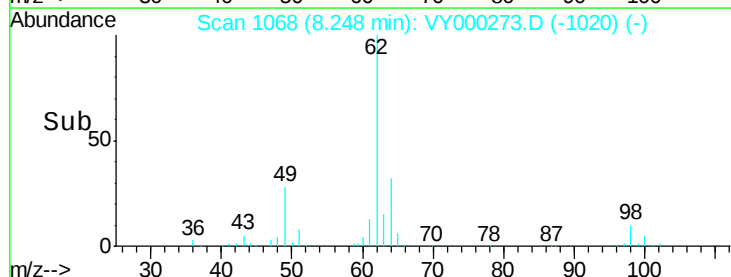
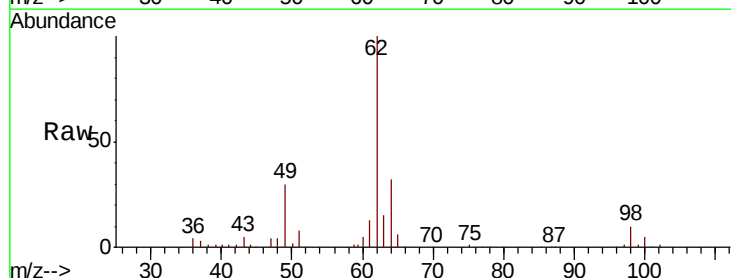
Acq: 11 Oct 2019 16:16

Tgt Ion: 62 Resp: 77697

Ion Ratio Lower Upper

62 100

98 9.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.507 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

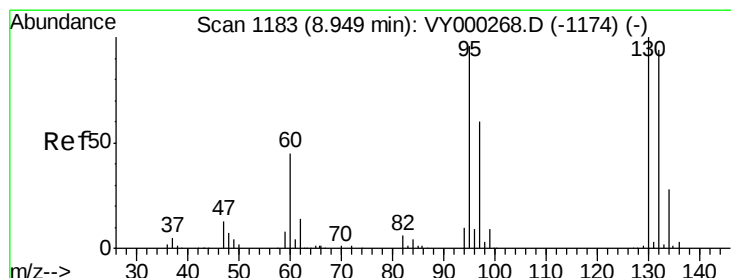
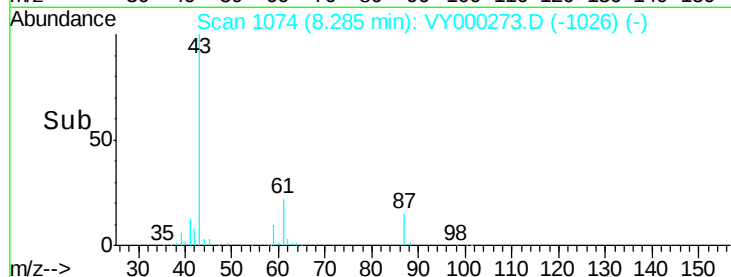
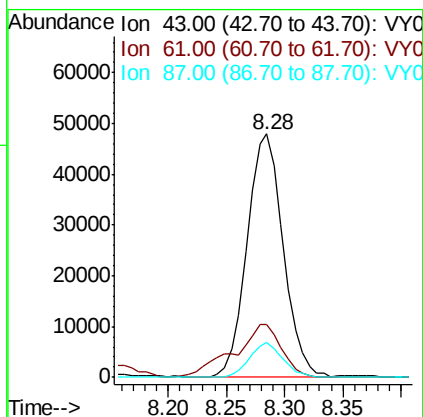
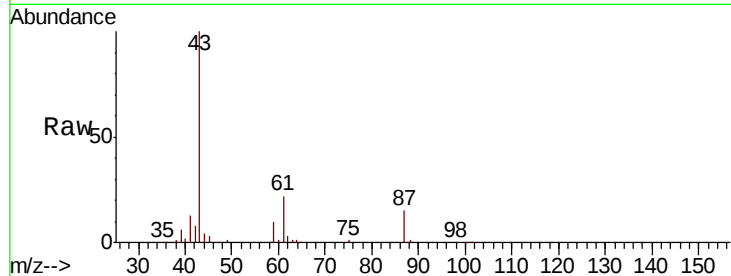
ClientSampleId :

VY1011SBS01

Tot Ion:	43	Resp:	103504
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.3	33.5
87	13.2	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.437 ug/l

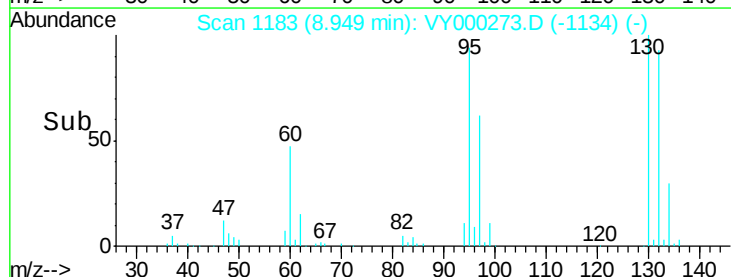
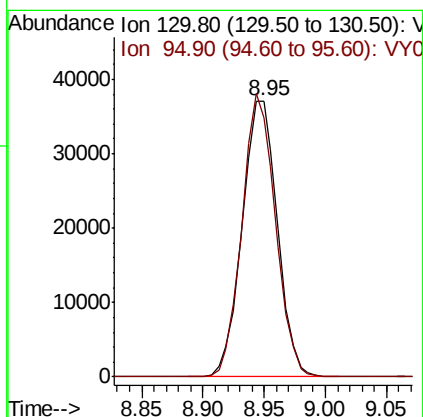
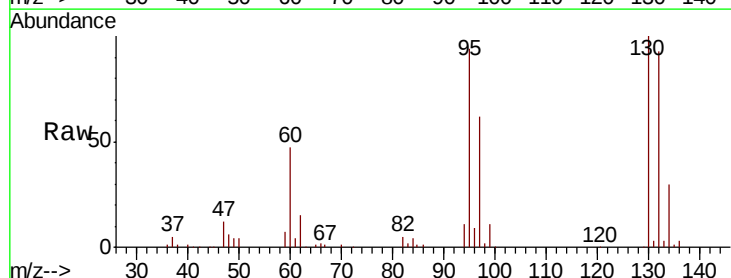
RT: 8.95 min Scan# 1183

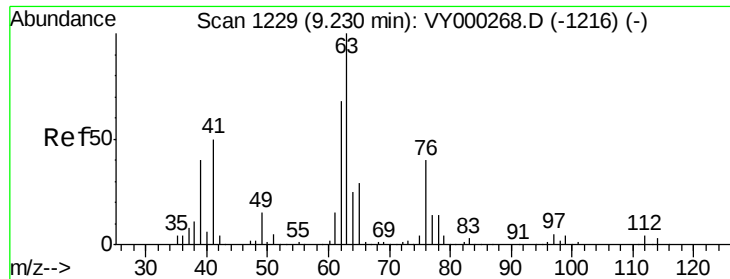
Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	130	Resp:	74289
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	191.4





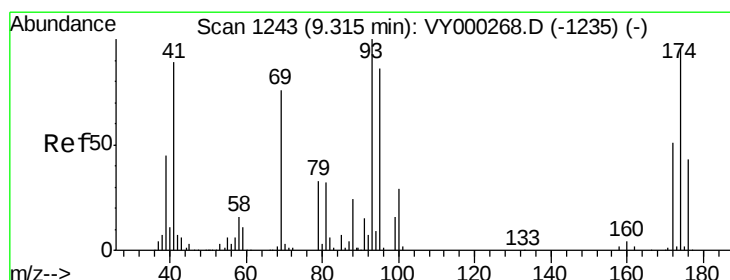
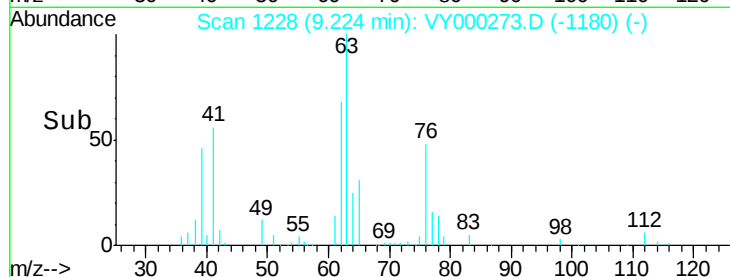
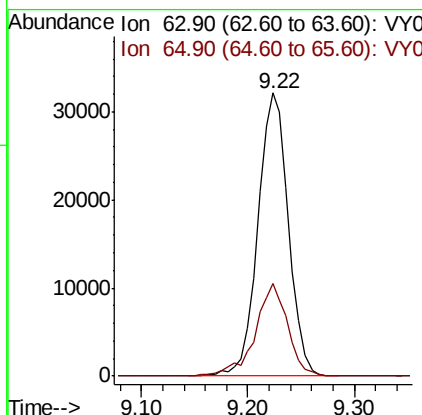
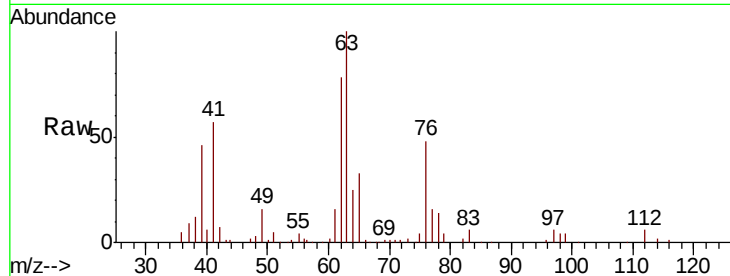
#45
 1,2-Dichloropropane
 Concen: 20.155 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion: 63 Resp: 64078
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.2 34.8

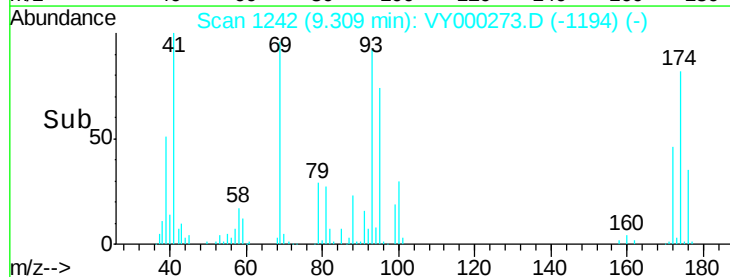
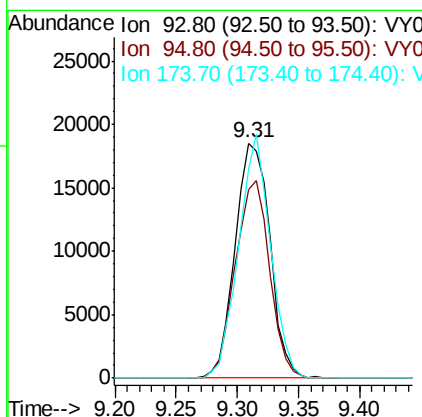
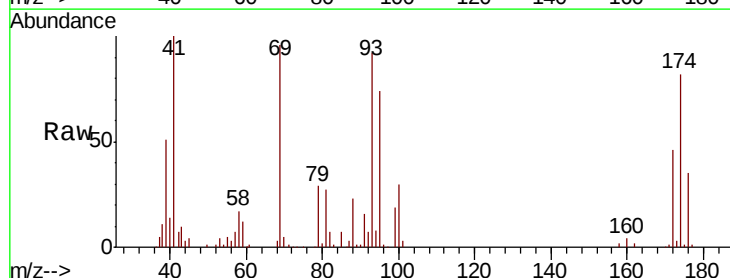
Manual Integrations
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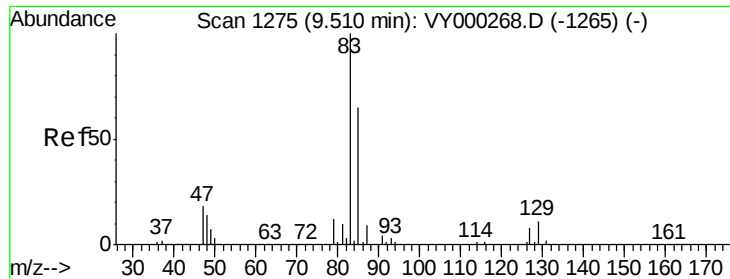
MMDadoda
 10/15/2019 12:34:01 PM



#46
 Dibromomethane
 Concen: 20.657 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion: 93 Resp: 36714
 Ion Ratio Lower Upper
 93 100
 95 82.5 68.2 102.2
 174 94.6 79.8 119.6





#47

Bromodichloromethane

Concen: 20.690 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

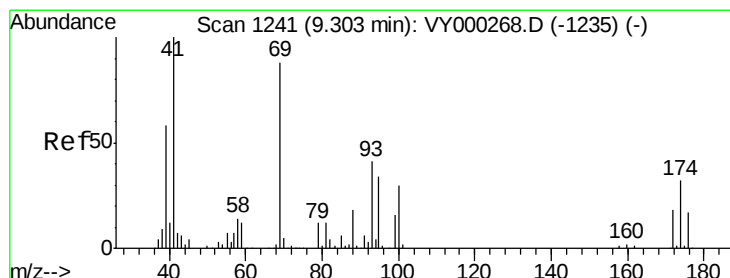
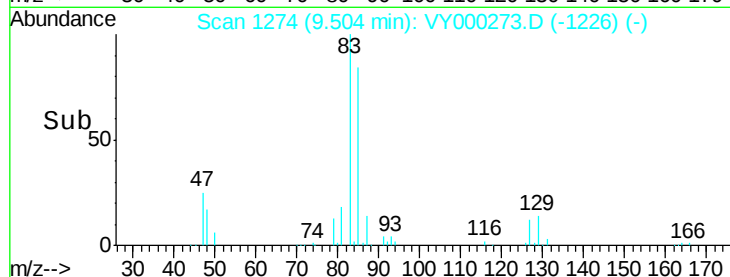
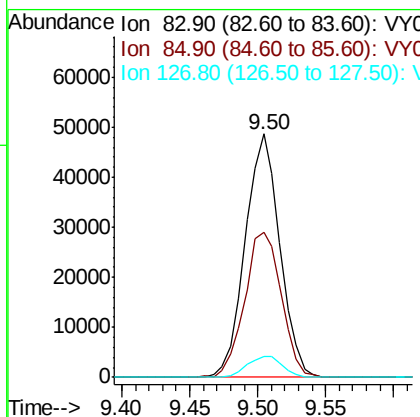
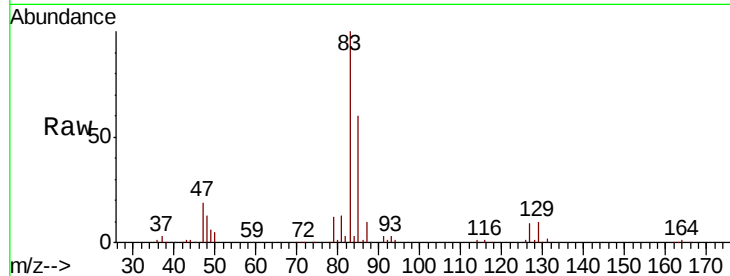
ClientSampleId :

VY1011SBS01

Tot Ion:	83	Resp:	86662
Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.2	78.2
127	8.8	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.339 ug/l

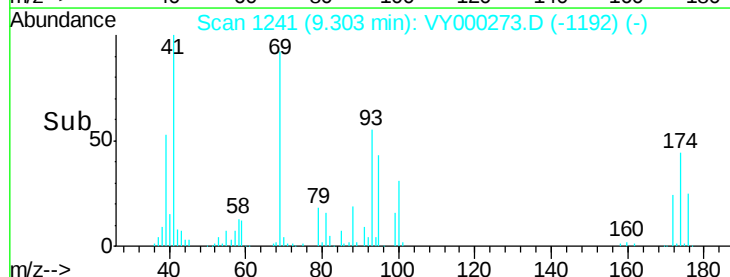
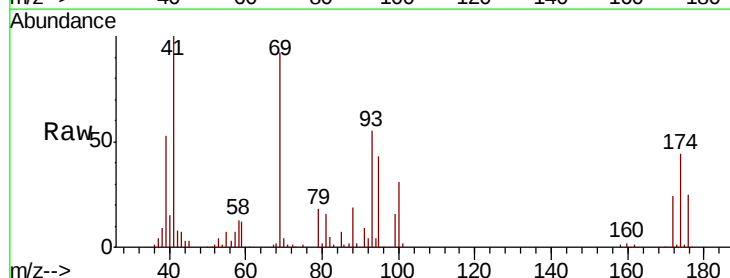
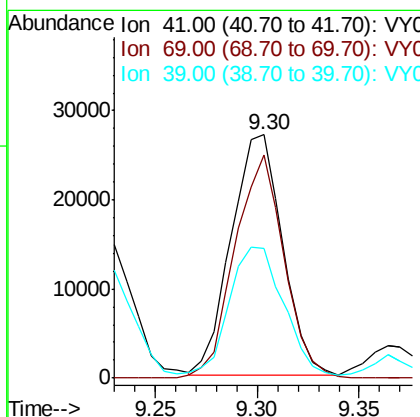
RT: 9.30 min Scan# 1241

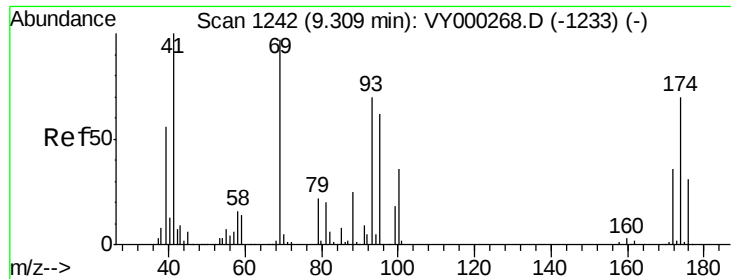
Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	41	Resp:	47202
Ion	Ratio	Lower	Upper
41	100		
69	89.2	70.0	105.0
39	59.0	47.7	71.5





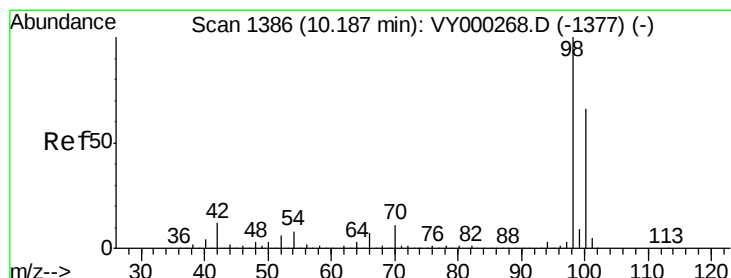
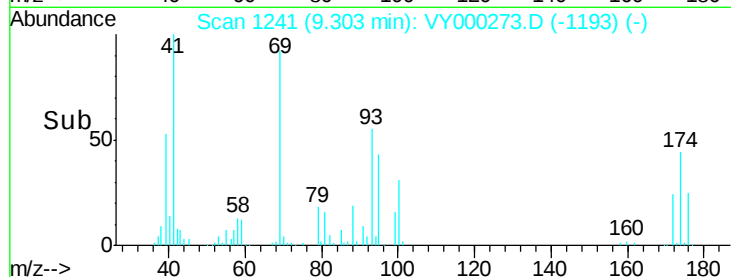
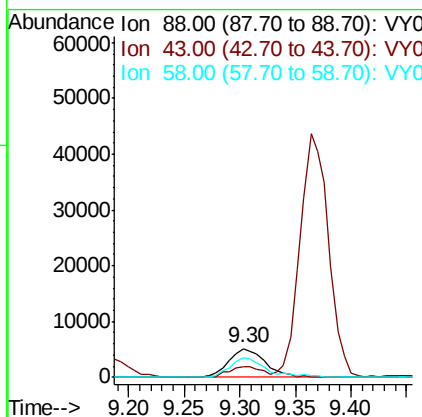
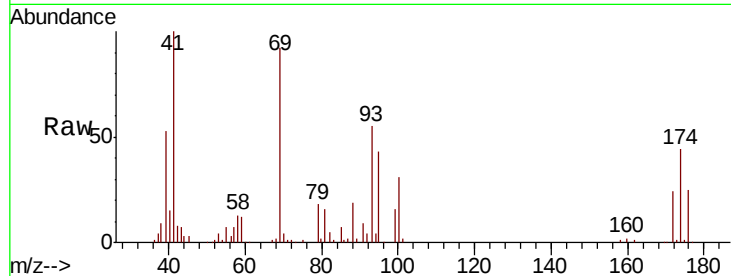
#49
1,4-Dioxane
Concen: 439.579 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	88	Resp	11714
Ion Ratio	Lower	Upper	
88	100		
43	33.3	25.6	38.4
58	66.5	54.6	81.8

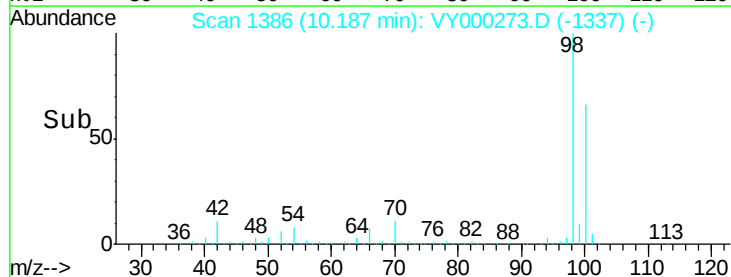
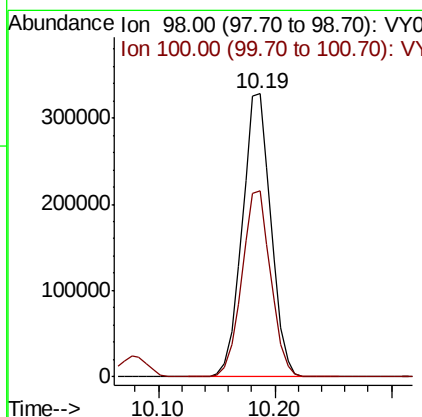
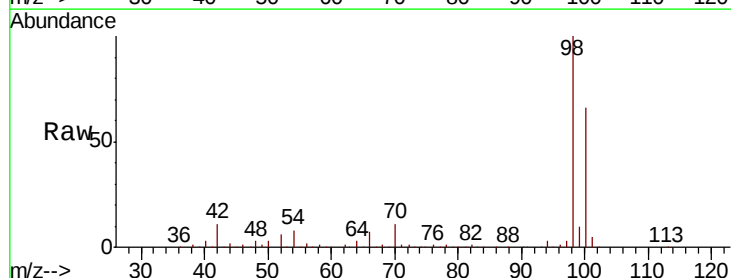
Manual Integrations
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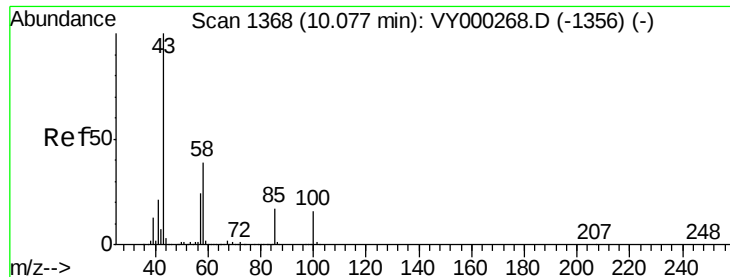
MMDadoda
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#50
Toluene-d8
Concen: 53.016 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	98	Resp	563282
Ion Ratio	Lower	Upper	
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 104.396 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 43 Resp: 271770

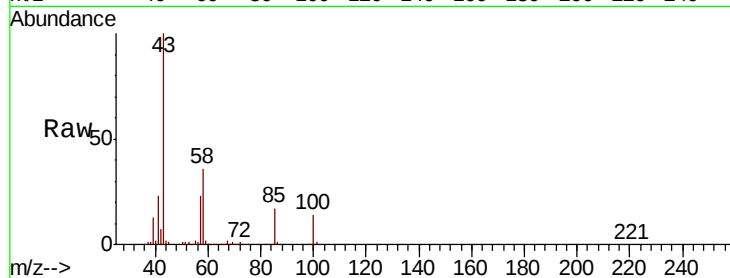
Ion Ratio Lower Upper

43 100

58 38.2 31.0 46.6

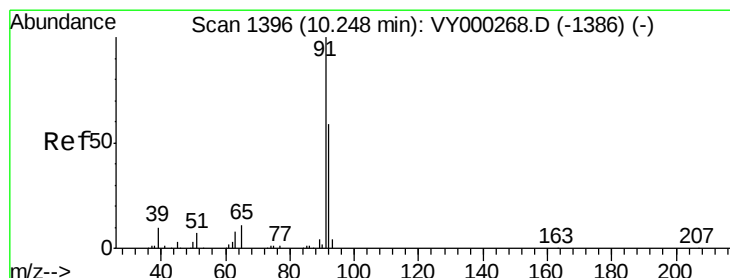
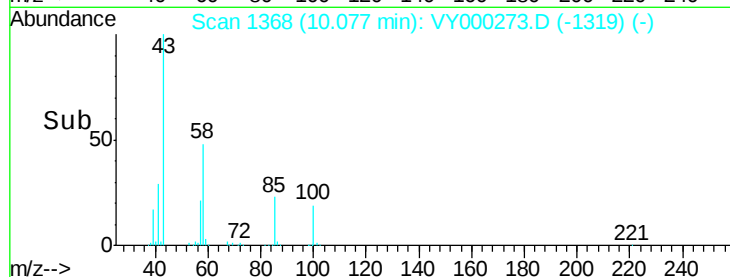
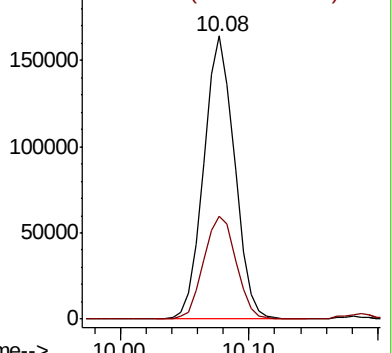
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.401 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000273.D

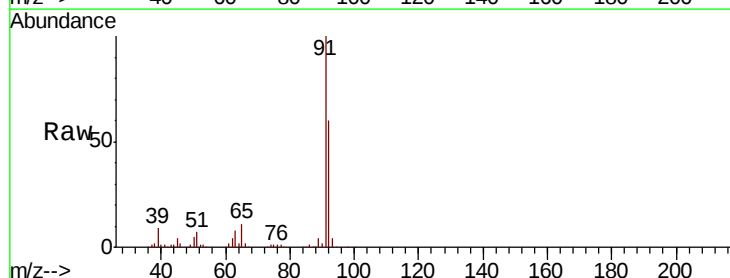
Acq: 11 Oct 2019 16:16

Tgt Ion: 92 Resp: 167801

Ion Ratio Lower Upper

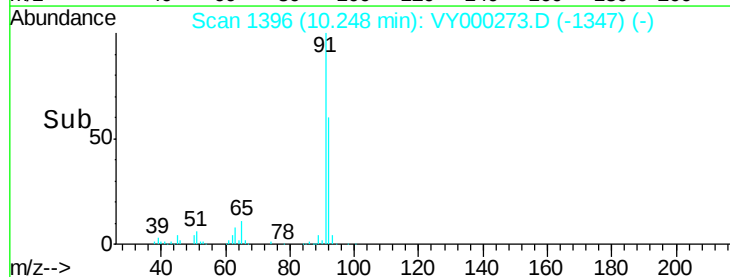
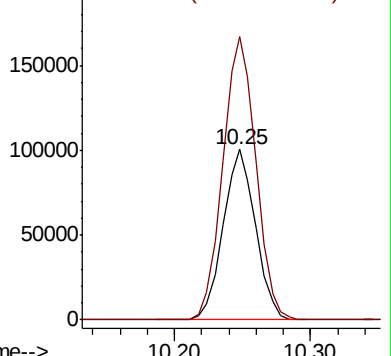
92 100

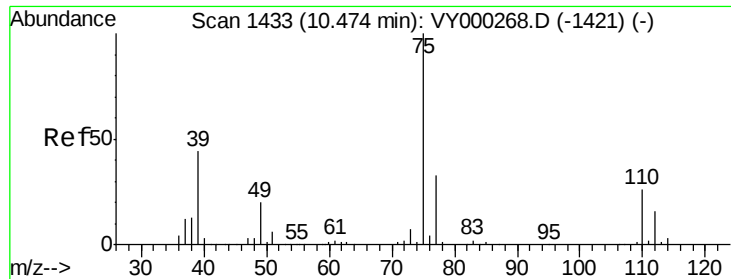
91 169.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





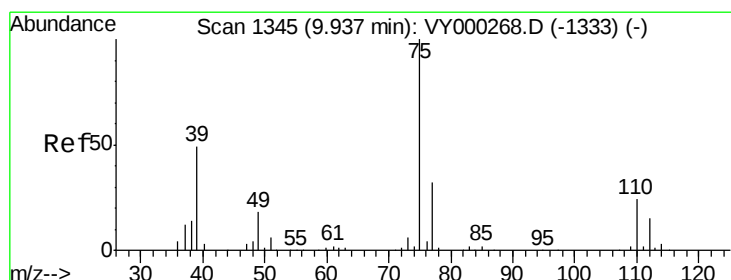
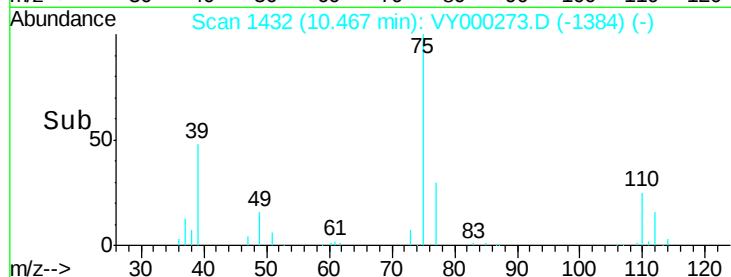
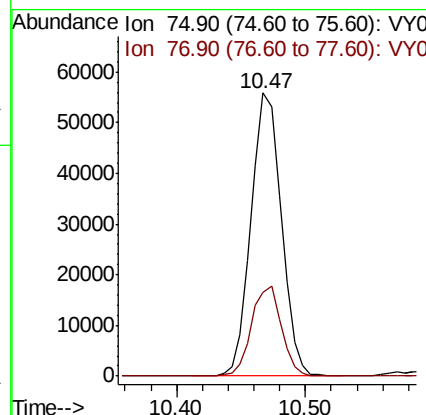
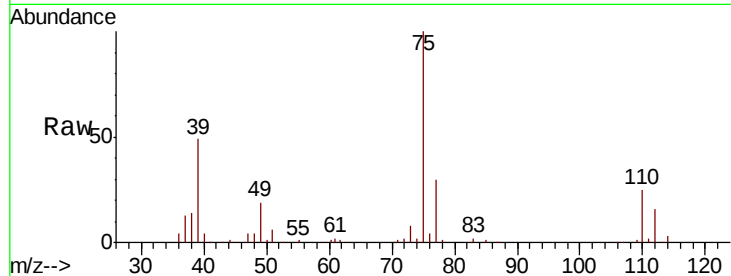
#53
t-1,3-Dichloropropene
Concen: 20.247 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 75 Resp: 90887
Ion Ratio Lower Upper
75 100
77 29.7 26.0 39.0

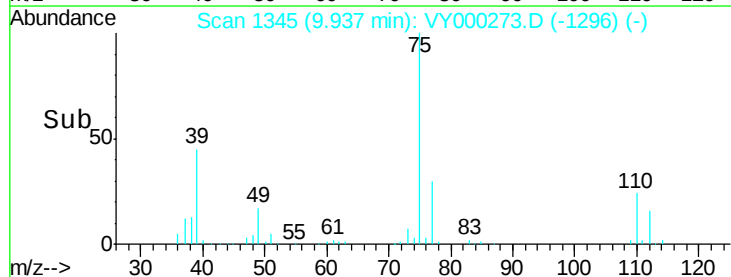
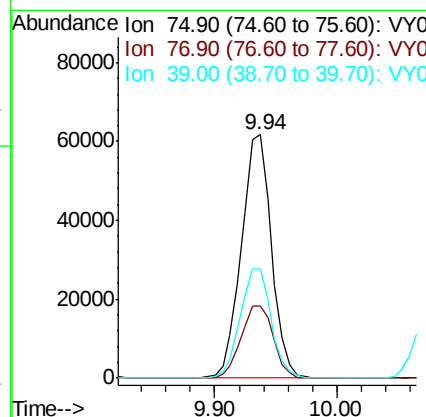
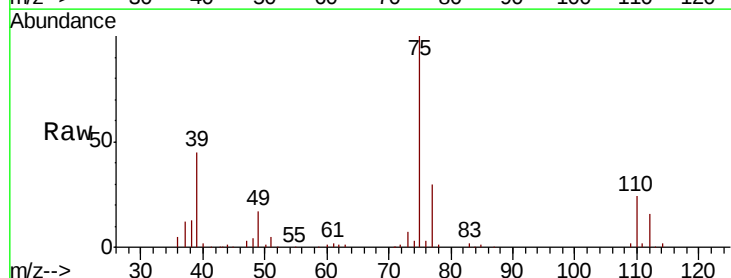
Manual Integrations
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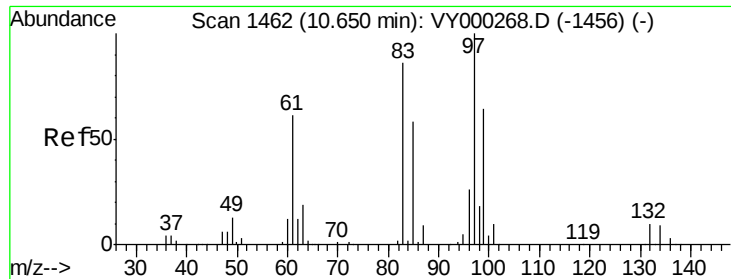
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#54
cis-1,3-Dichloropropene
Concen: 20.569 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion: 75 Resp: 104853
Ion Ratio Lower Upper
75 100
77 29.6 26.0 39.0
39 44.6 38.8 58.2





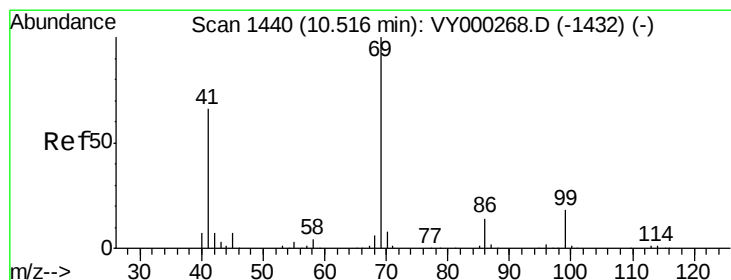
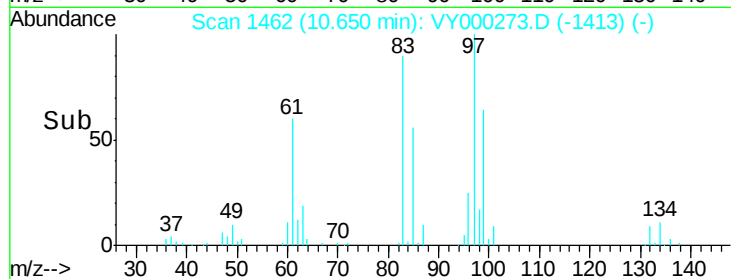
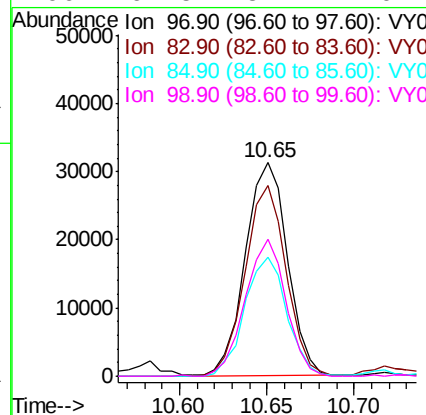
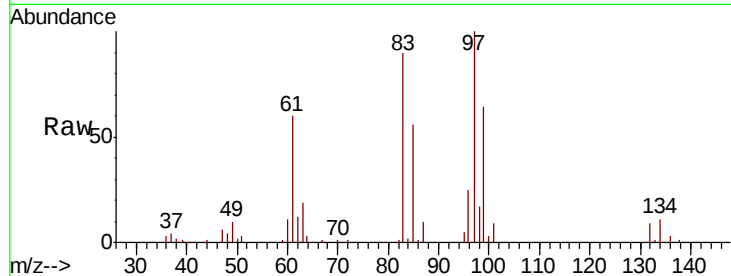
#55
1,1,2-Trichloroethane
Concen: 20.287 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	97	Resp	52424
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.0	103.6
85	56.2	46.2	69.4
99	64.5	51.1	76.7

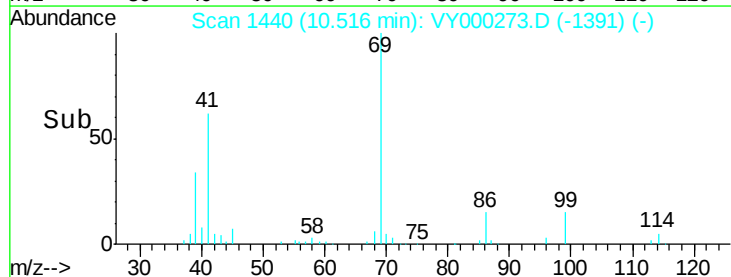
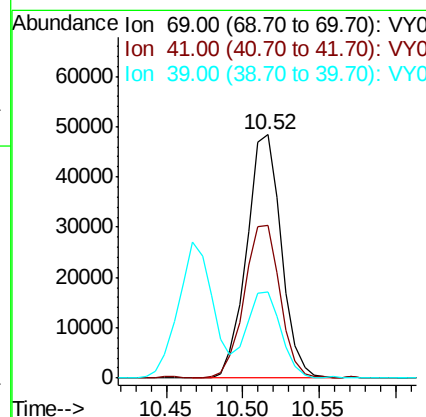
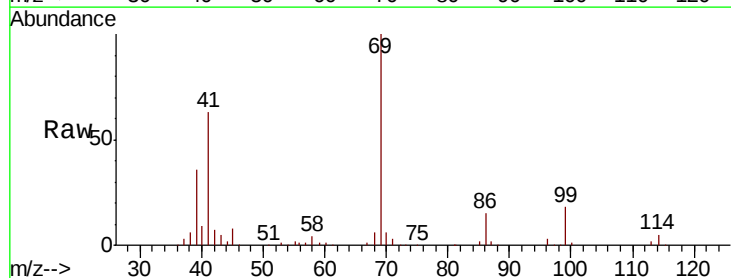
Manual Integrations
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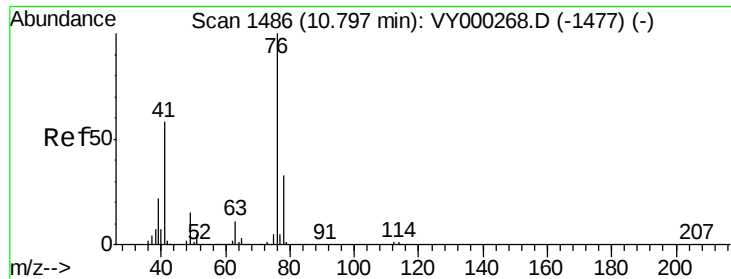
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#56
Ethyl methacrylate
Concen: 20.696 ug/l
RT: 10.52 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	69	Resp	76231
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.5	78.7
39	35.7	26.7	40.1





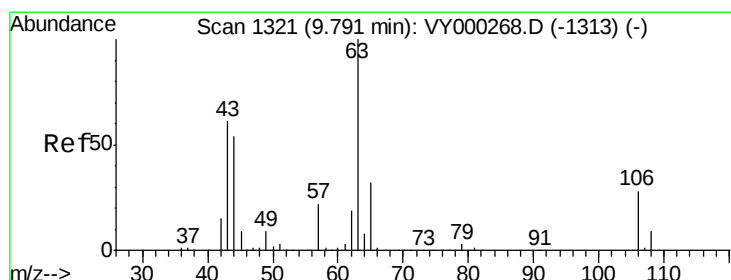
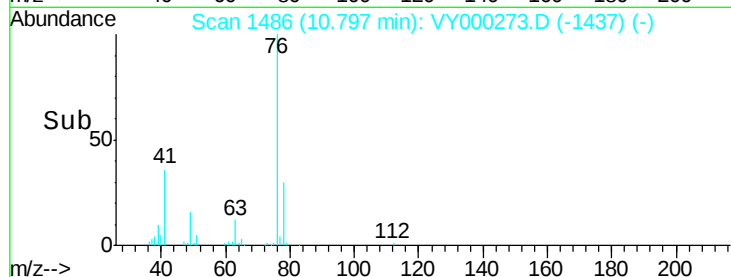
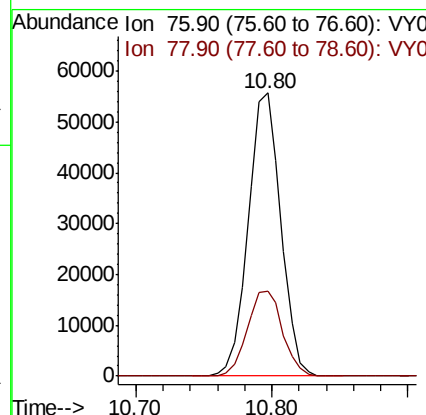
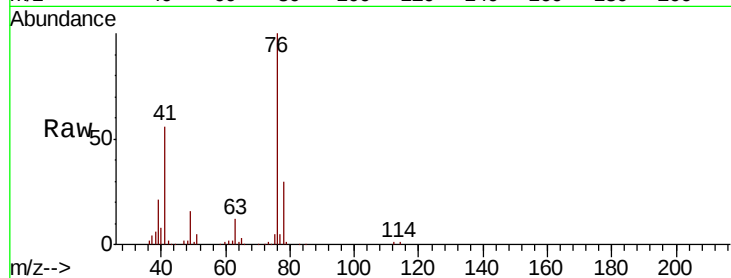
#57
 1,3-Dichloropropane
 Concen: 20.967 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion: 76 Resp: 93049
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

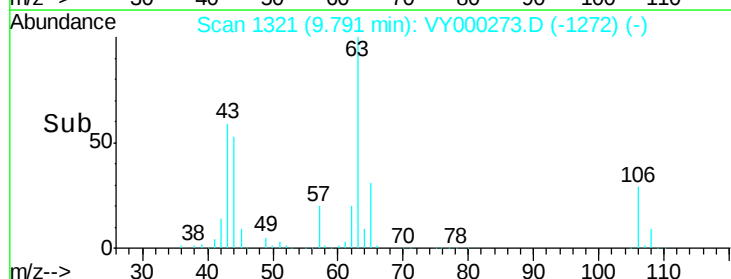
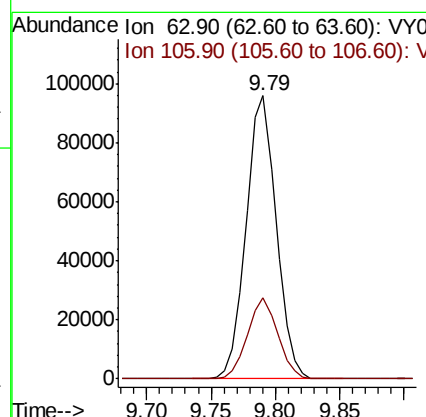
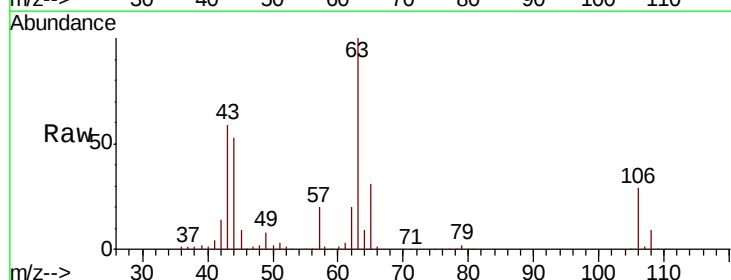
Manual Integrations
 APPROVED

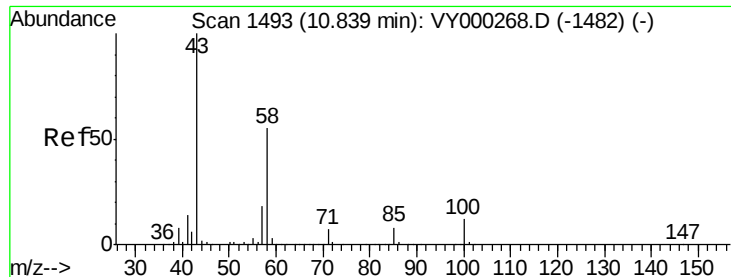
MMDadoda
 10/15/2019 12:34:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.000 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion: 63 Resp: 154261
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.0 34.4





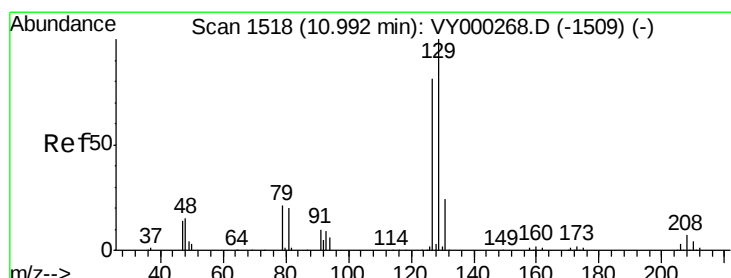
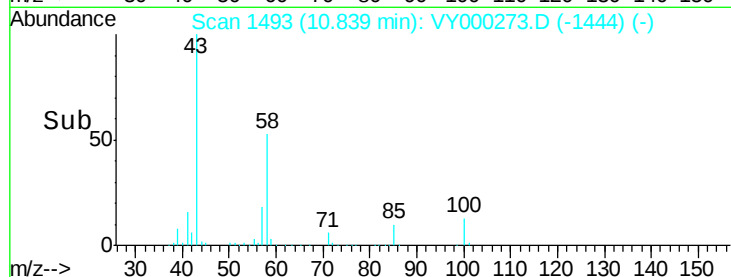
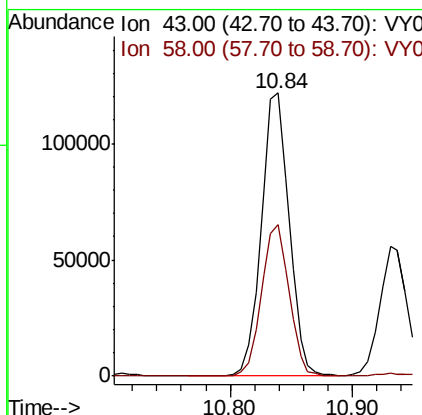
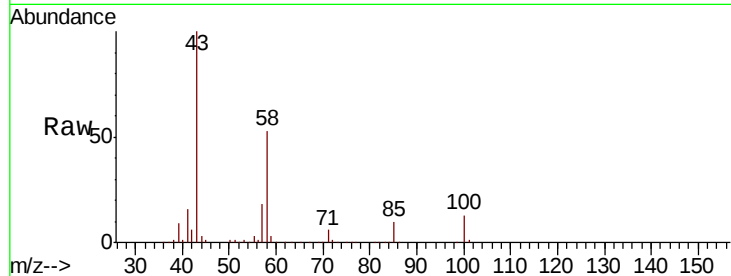
#59
2-Hexanone
Concen: 106.048 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 43 Resp: 193777
Ion Ratio Lower Upper
43 100
58 53.0 27.7 83.1

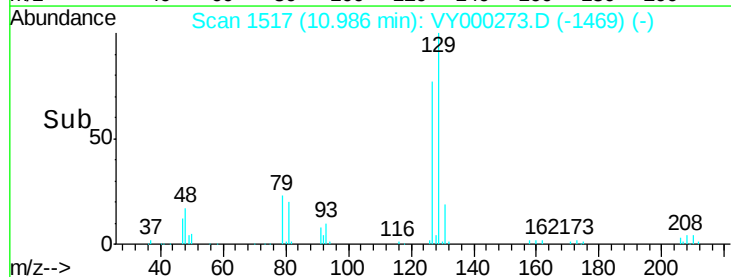
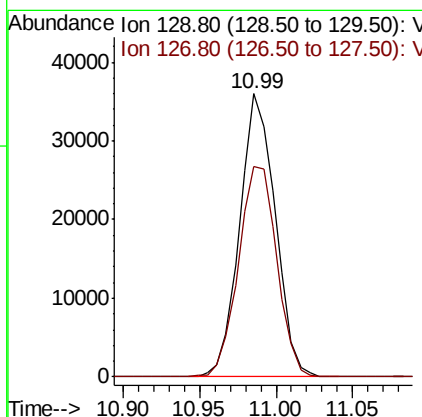
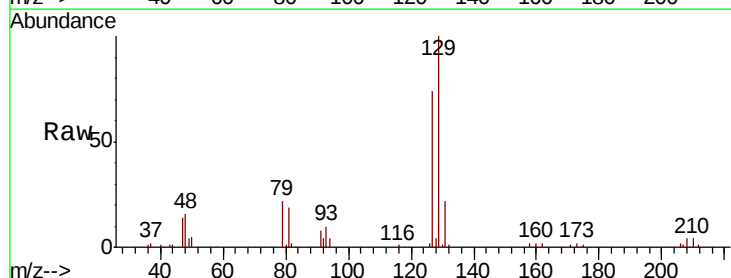
Manual Integrations
APPROVED

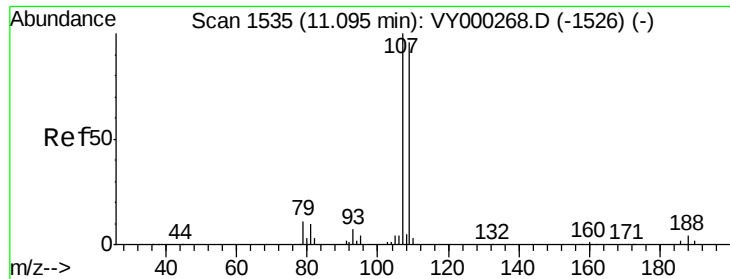
MMDadoda
10/15/2019 12:34:01 PM



#60
Dibromochloromethane
Concen: 20.305 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion: 129 Resp: 58157
Ion Ratio Lower Upper
129 100
127 80.1 39.9 119.7





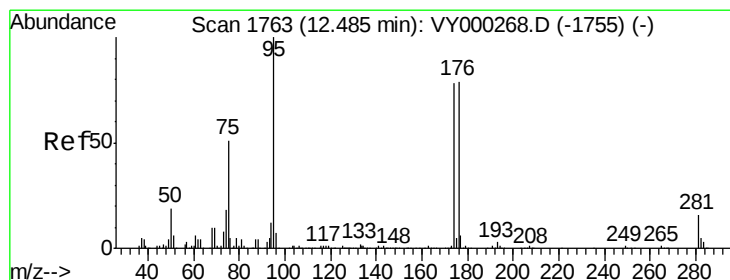
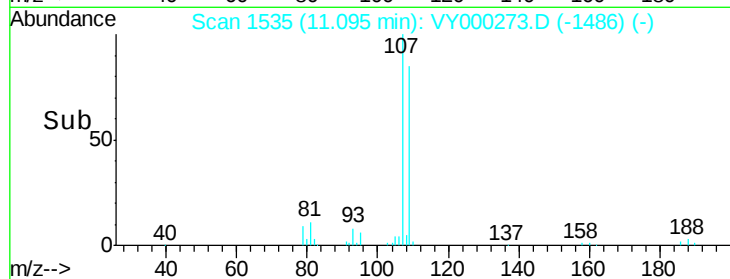
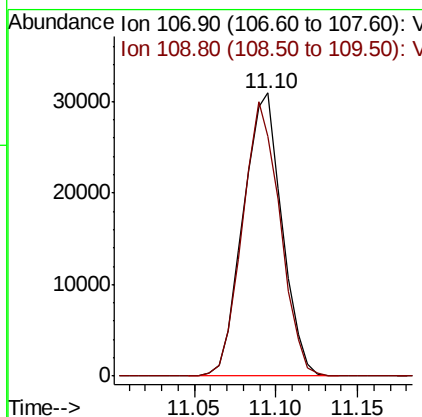
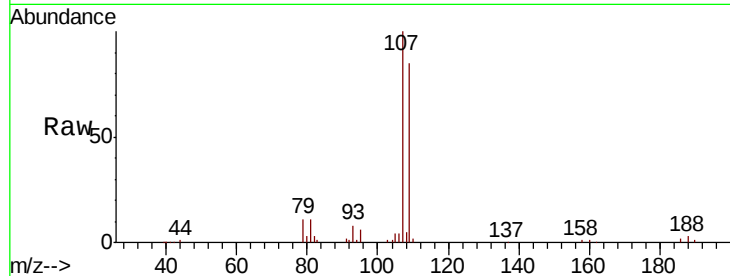
#61
 1,2-Dibromoethane
 Concen: 20.635 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.1	112.7

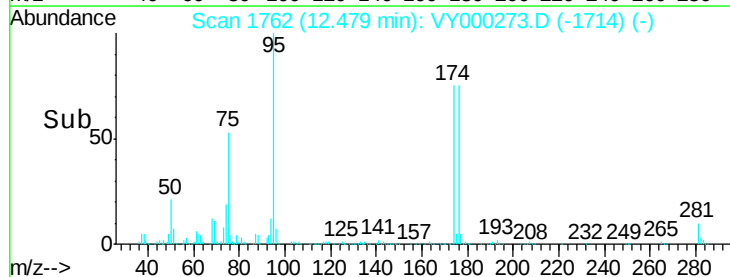
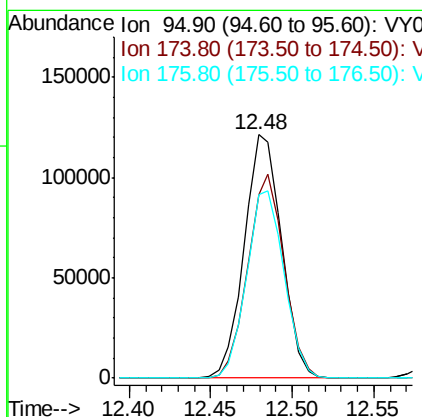
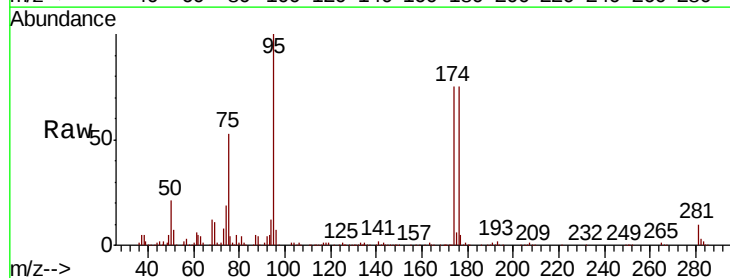
Manual Integrations
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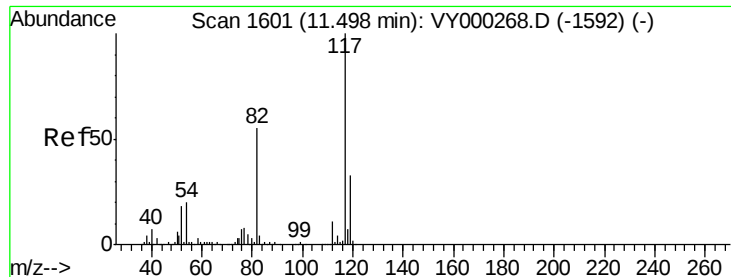
MMDadoda
 10/15/2019 12:34:01 PM



#62
 4-Bromofluorobenzene
 Concen: 47.921 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	159.6
176	77.1	0.0	153.8





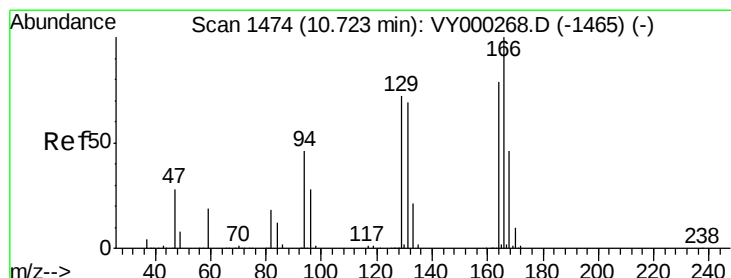
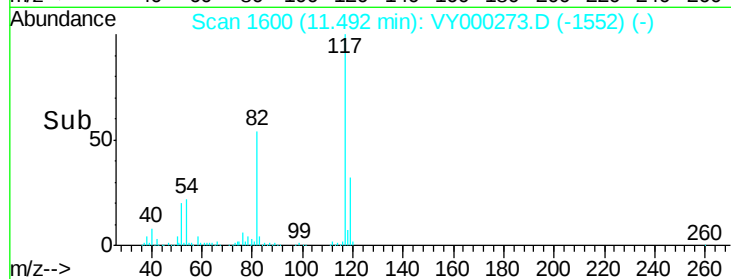
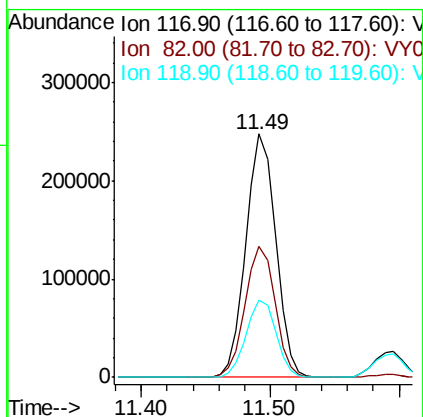
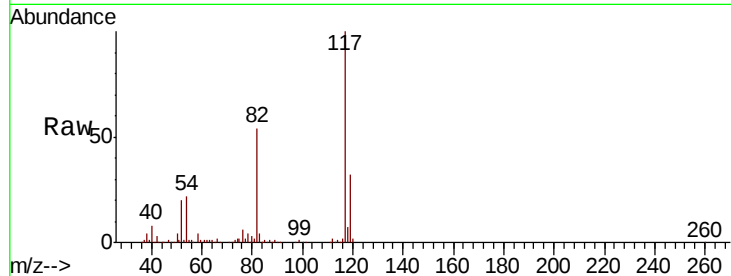
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	31.9	26.6	39.8

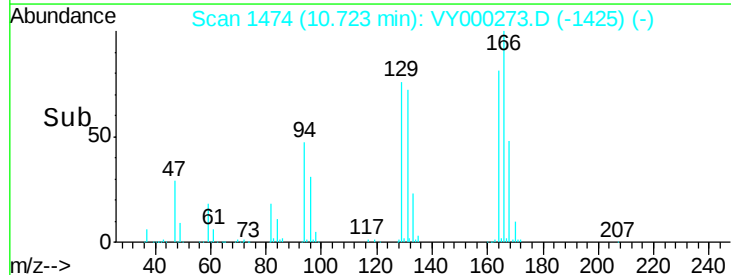
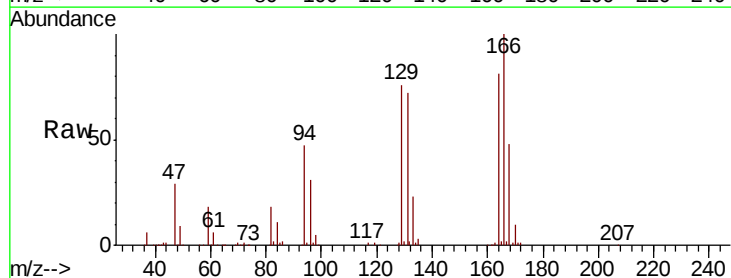
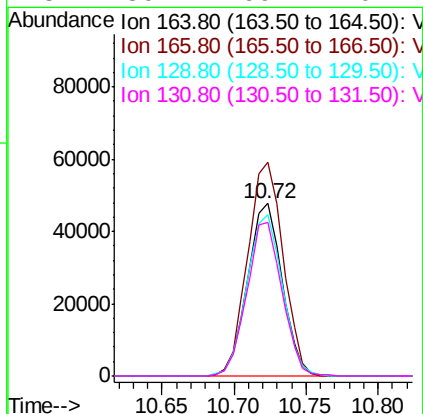
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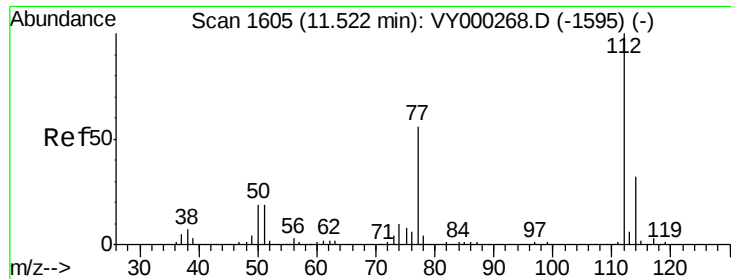
MMDadoda
10/15/2019 12:34:01 PM



#64
Tetrachloroethene
Concen: 21.002 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	100.6	151.0
129	93.7	72.8	109.2
131	89.2	69.4	104.2





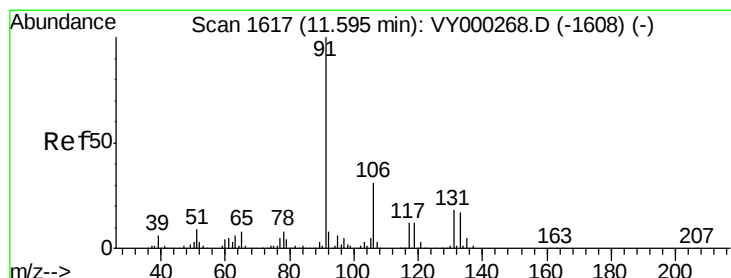
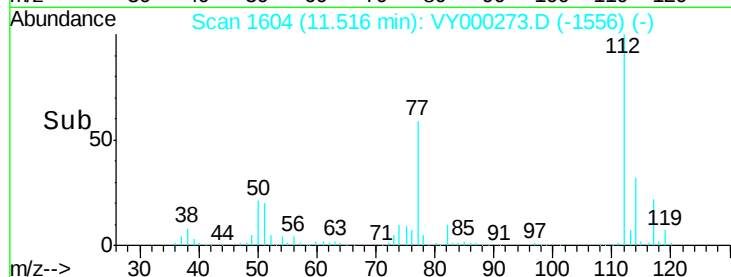
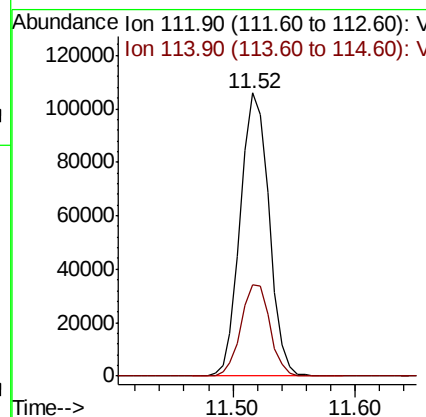
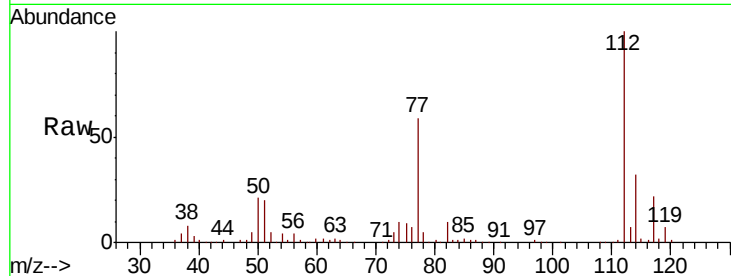
#65
Chlorobenzene
Concen: 20.575 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion:112 Resp: 172019
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

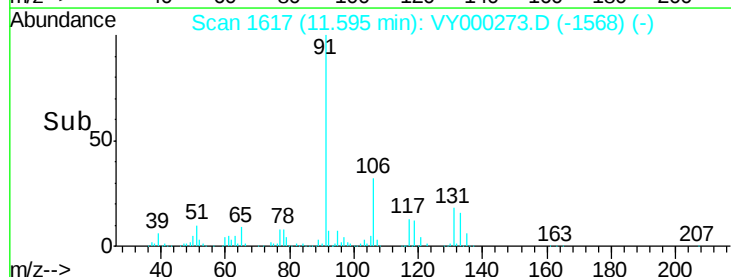
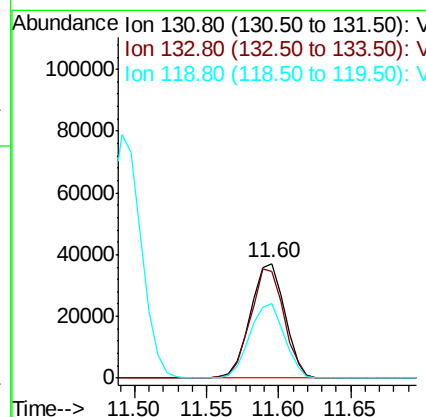
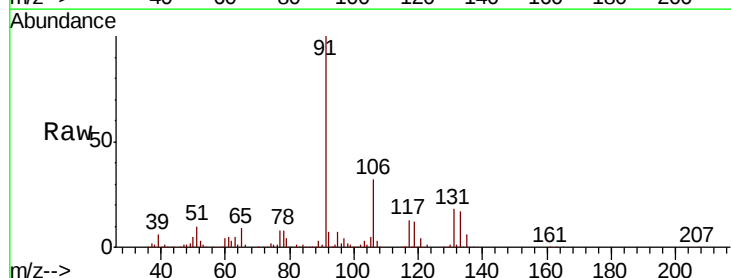
Manual Integrations
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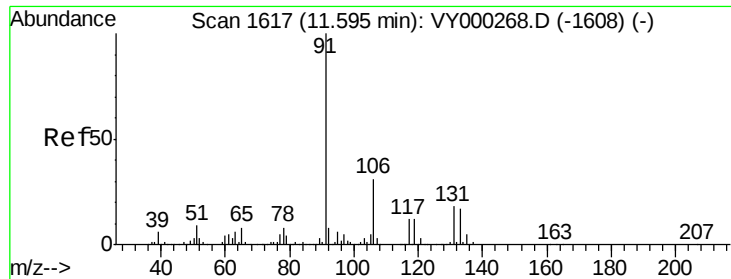
MMDadoda
10/15/2019 12:34:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.780 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion:131 Resp: 61029
Ion Ratio Lower Upper
131 100
133 93.9 47.2 141.6
119 65.7 32.6 98.0





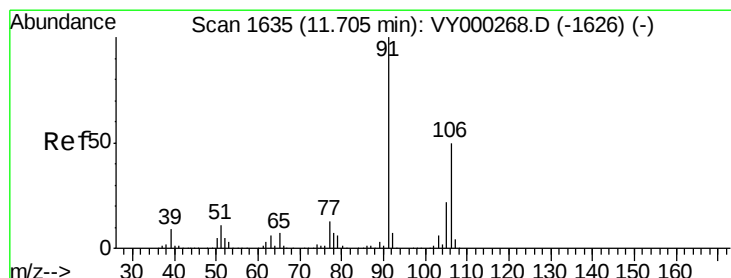
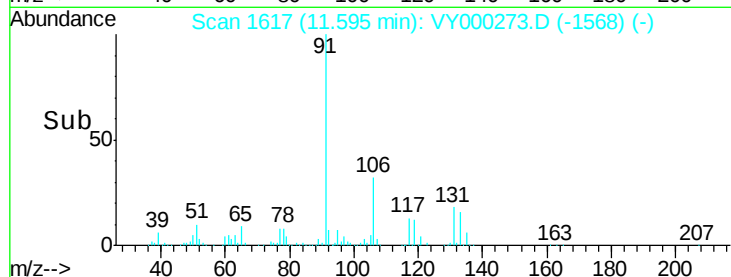
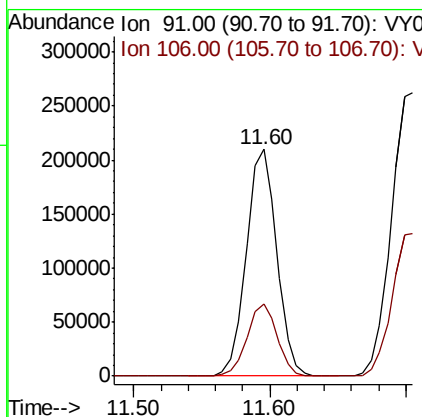
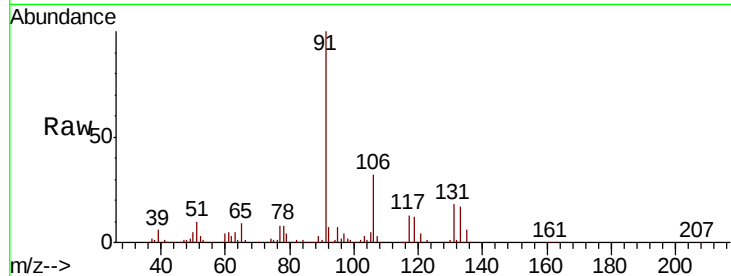
#67
Ethyl Benzene
Concen: 21.215 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 91 Resp: 328800
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6

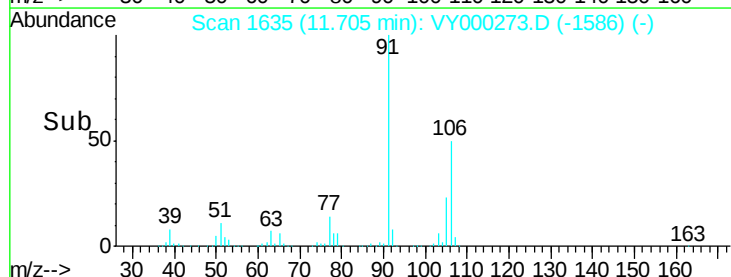
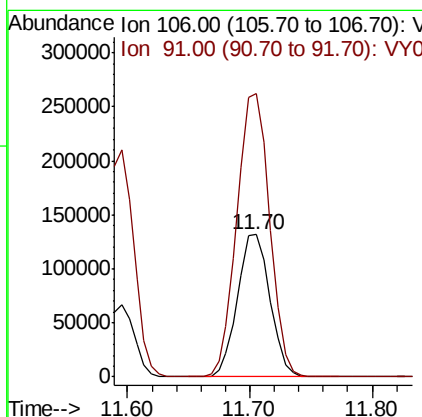
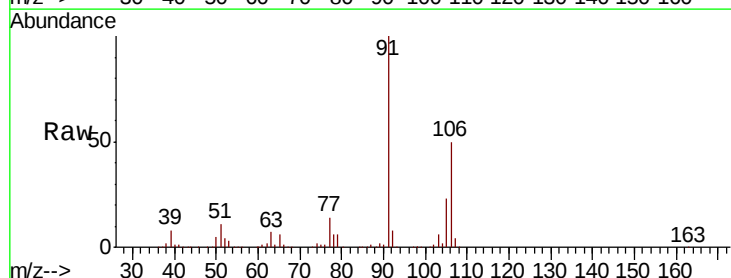
Manual Integrations
APPROVED

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10/15/2019 12:34:01 PM



#68
m/p-Xylenes
Concen: 41.002 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion: 106 Resp: 242928
Ion Ratio Lower Upper
106 100
91 200.6 157.5 236.3





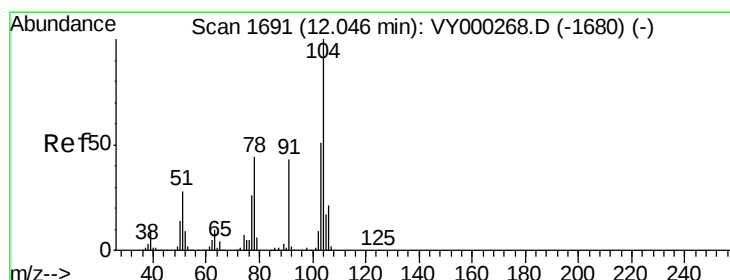
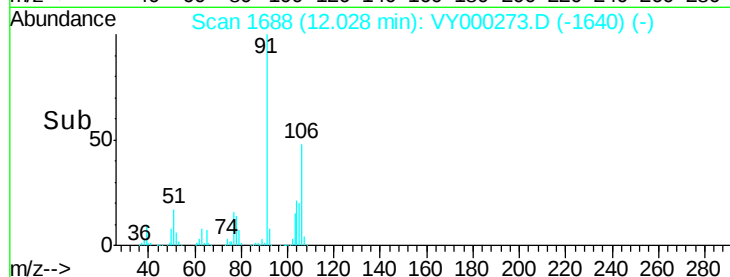
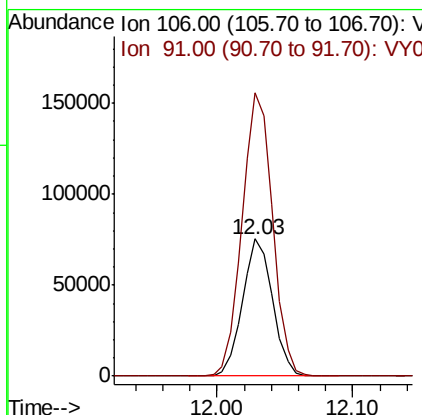
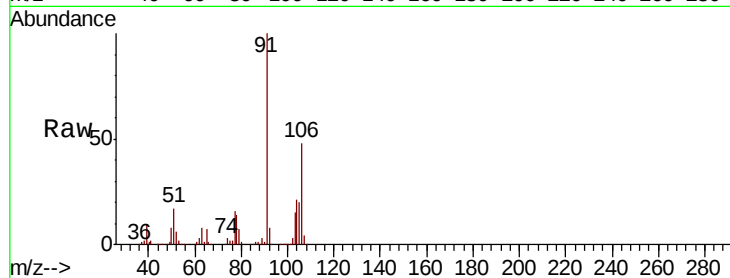
#69
o-Xylene
Concen: 20.606 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.4	104.7	313.9	

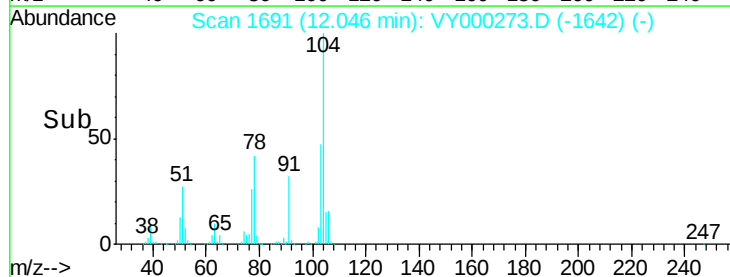
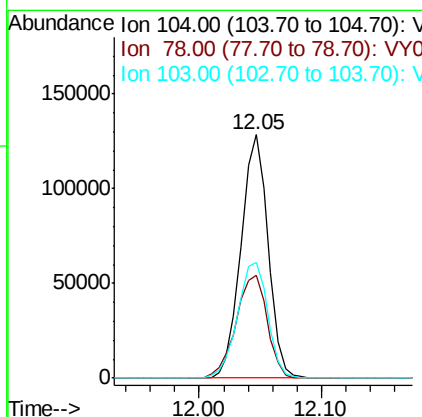
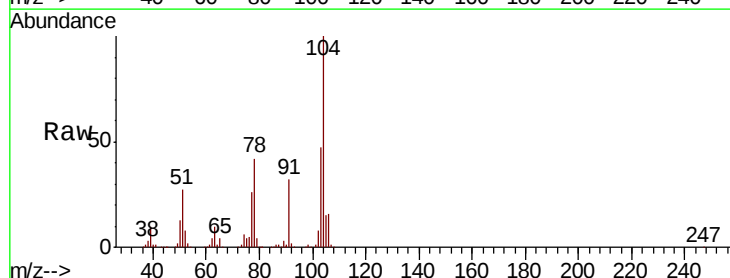
Manual Integrations
APPROVED

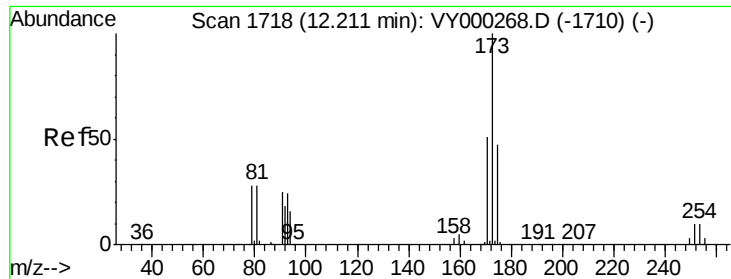
MMDadoda
10/15/2019 12:34:01 PM



#70
Styrene
Concen: 20.701 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	39.0	58.6	
103	53.1	43.1	64.7	





#71

Bromoform

Concen: 21.030 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion:173 Resp: 35504

Ion Ratio Lower Upper

173 100

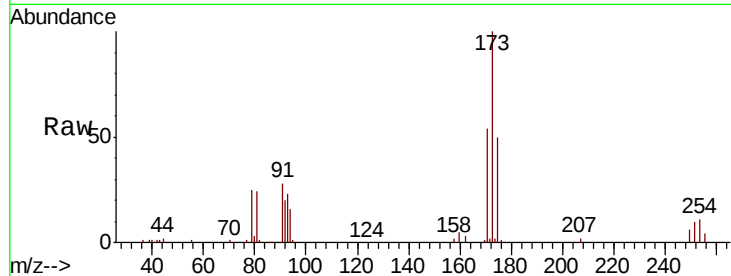
175 48.8 24.6 73.6

254 0.0 0.1 0.1#

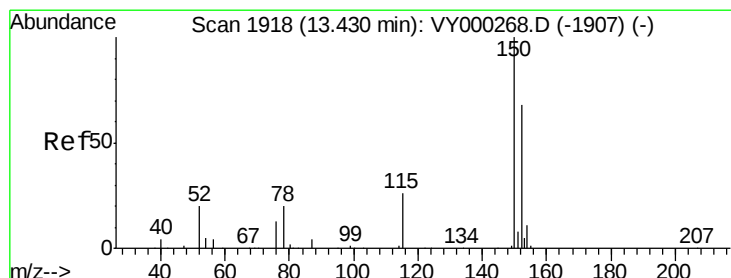
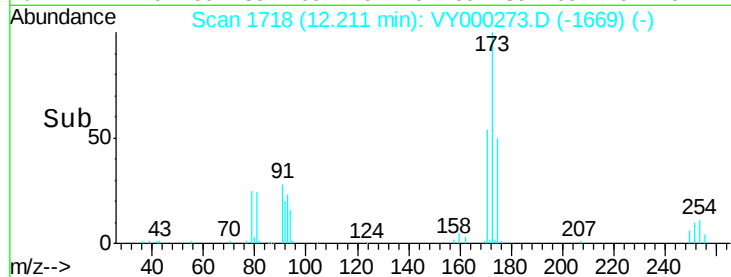
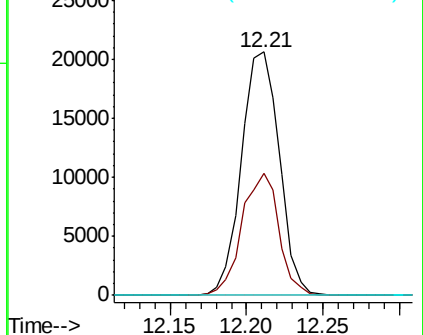
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

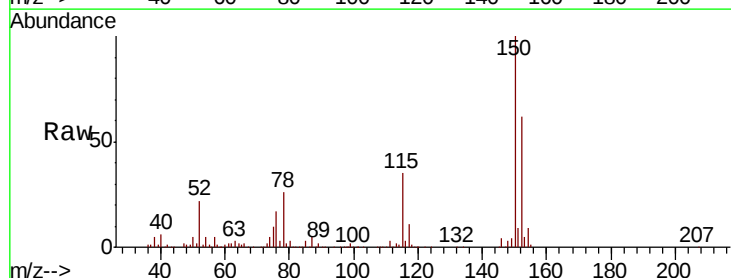
Tgt Ion:152 Resp: 191092

Ion Ratio Lower Upper

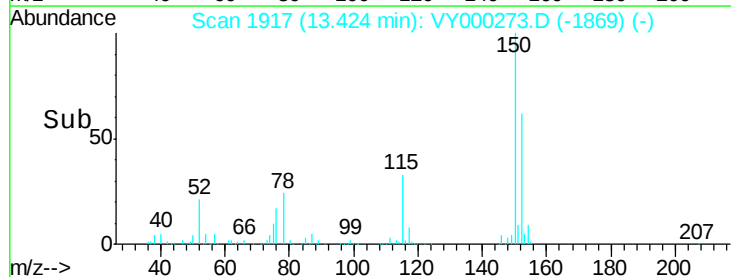
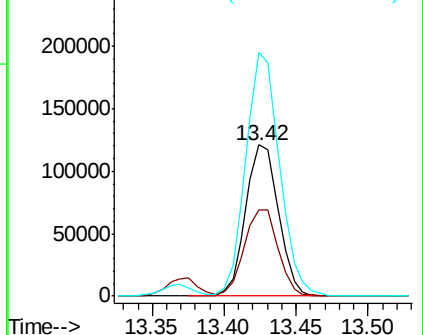
152 100

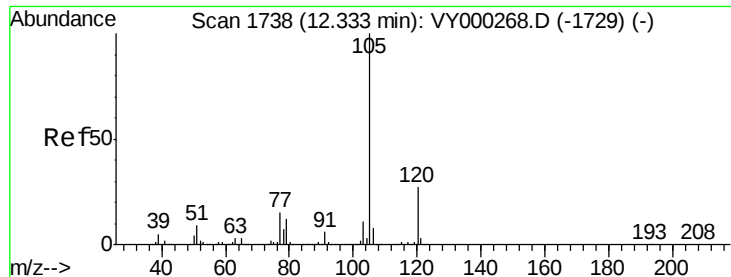
115 58.8 29.3 88.0

150 165.2 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





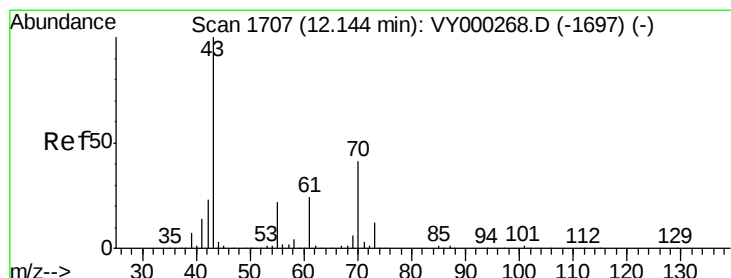
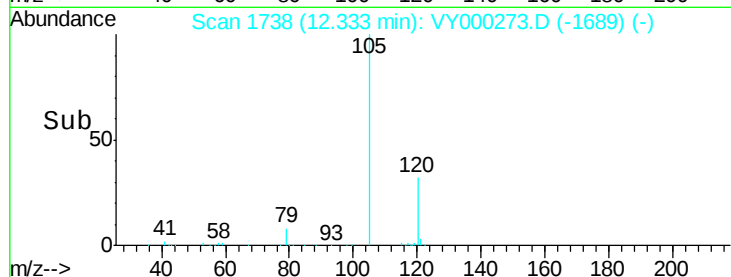
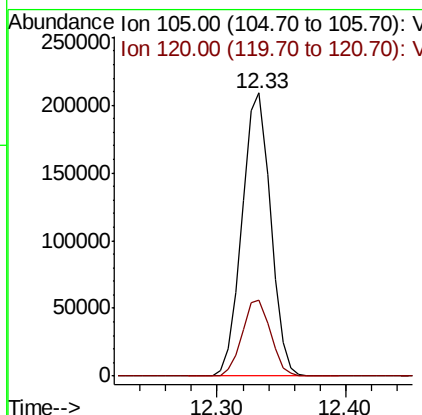
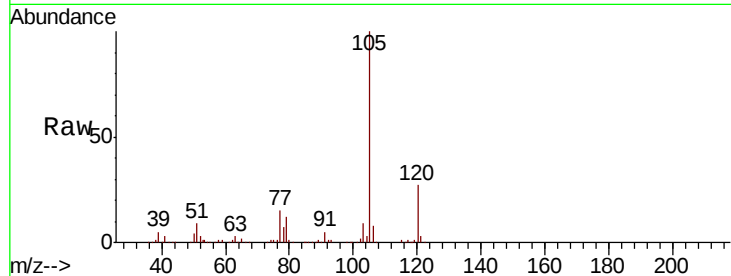
#73
Isopropylbenzene
Concen: 21.472 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

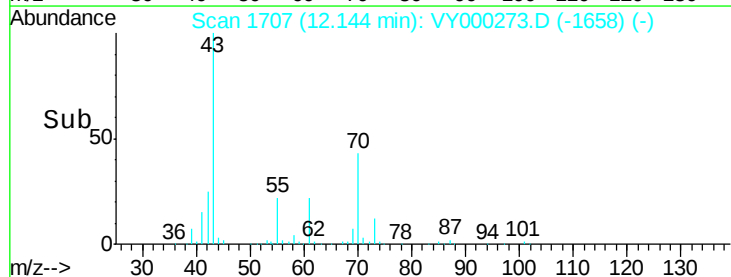
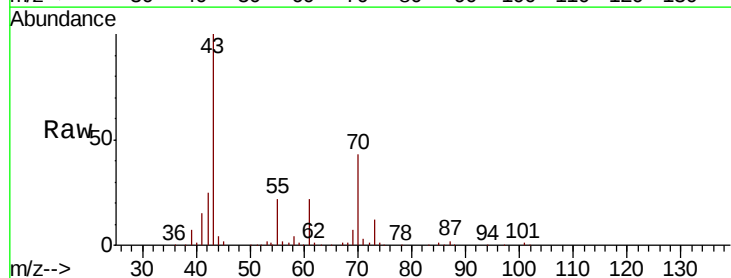
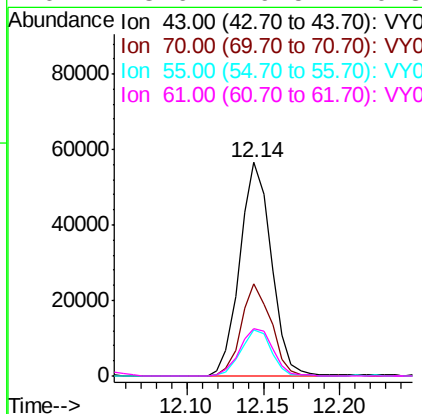
Manual Integrations
APPROVED

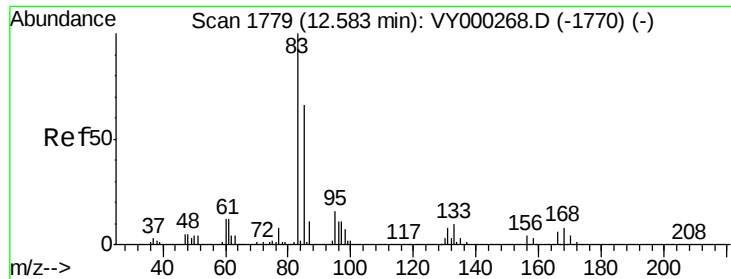
MMDadoda
10/15/2019 12:34:01 PM



#74
N-ethyl acetate
Concen: 22.247 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.9	49.3
55	21.1	17.8	26.6
61	23.6	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.674 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

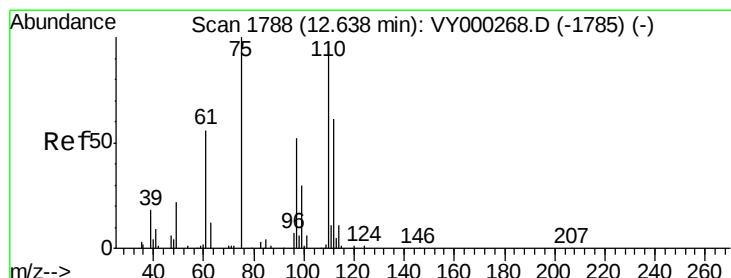
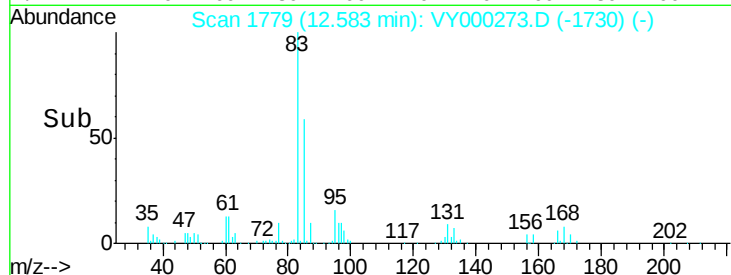
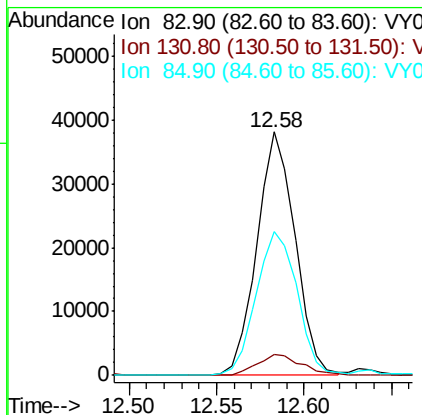
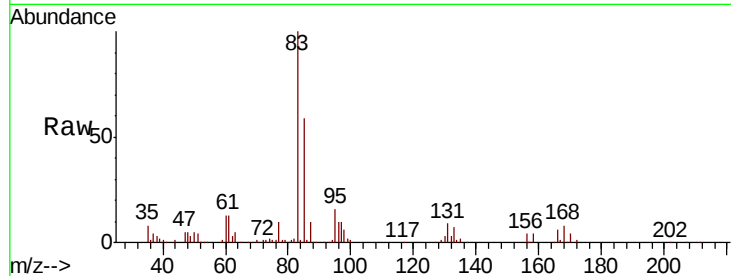
ClientSampleId :

VY1011SBS01

Tot Ion:	83	Resp:	57837
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	16.1
85	63.9	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.017 ug/l m

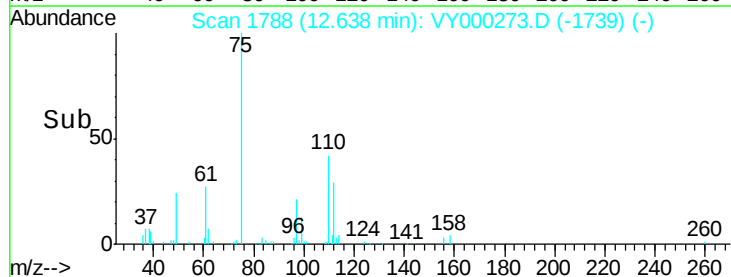
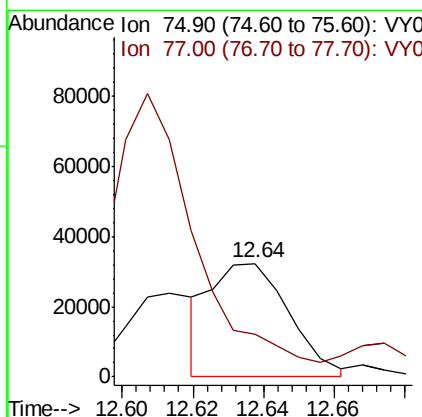
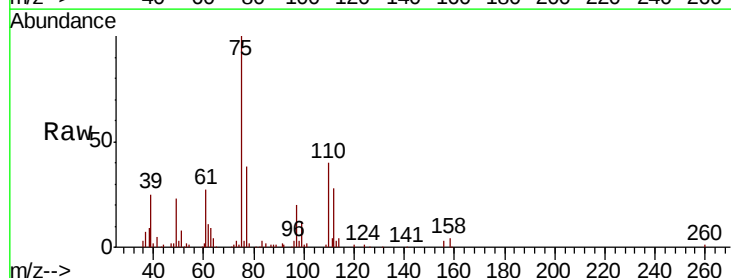
RT: 12.64 min Scan# 1788

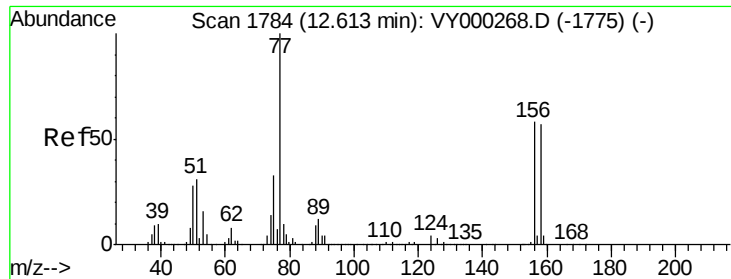
Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	75	Resp:	49385
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.485 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion:156 Resp: 71236

Ion Ratio Lower Upper

156 100

77 196.0 101.0 302.9

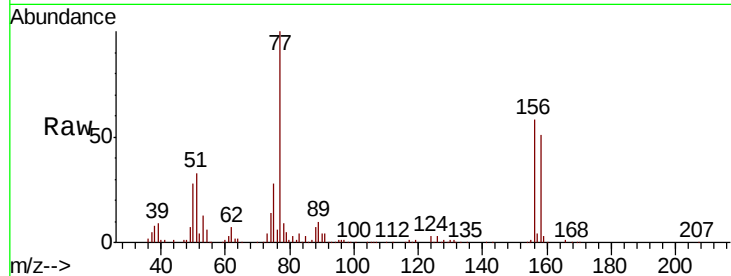
158 95.6 49.7 149.1

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

100000

80000

60000

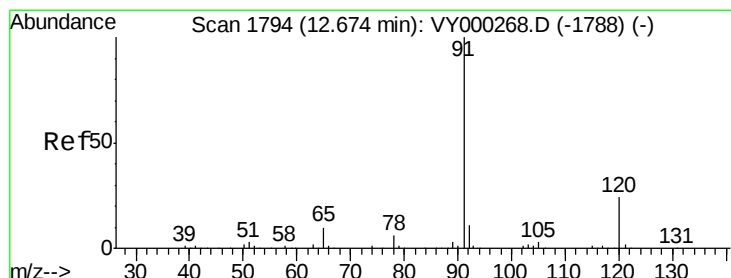
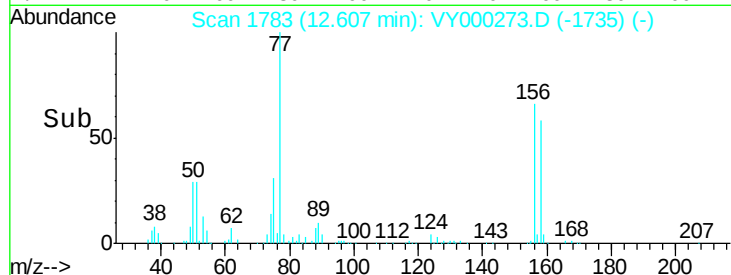
40000

20000

0

12.55 12.60 12.65

Time-->



#78

n-propylbenzene

Concen: 20.841 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000273.D

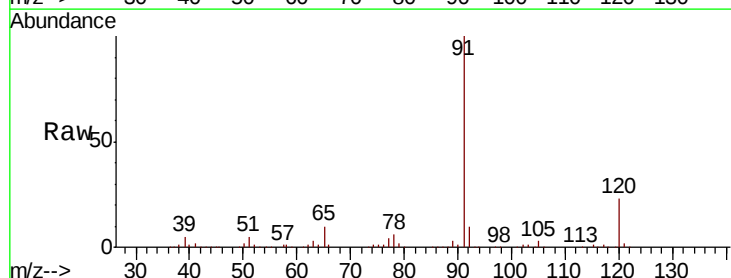
Acq: 11 Oct 2019 16:16

Tgt Ion: 91 Resp: 372844

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

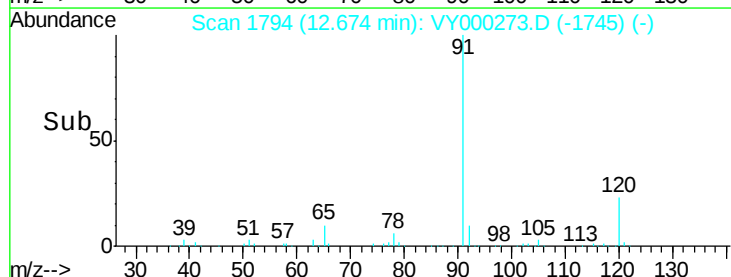
100000

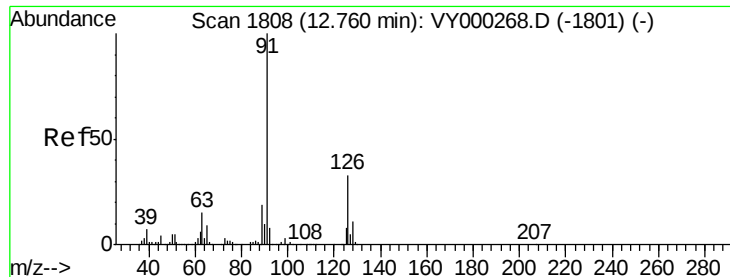
50000

0

12.60 12.65 12.70

Time-->





#79

2-Chlorotoluene

Concen: 20.977 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 91 Resp: 207248

Ion Ratio Lower Upper

91 100

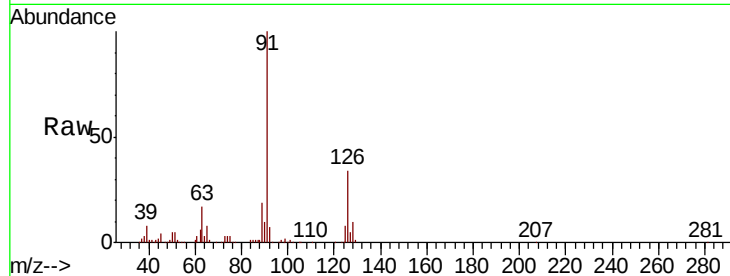
126 34.7 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000268.D (-1801) (-)

200000

150000

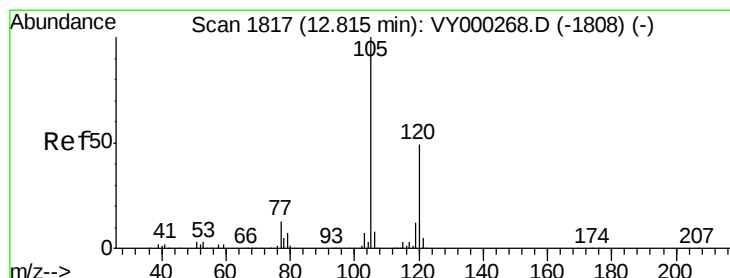
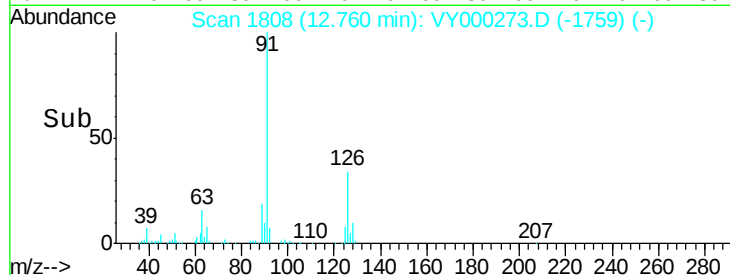
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.323 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000273.D

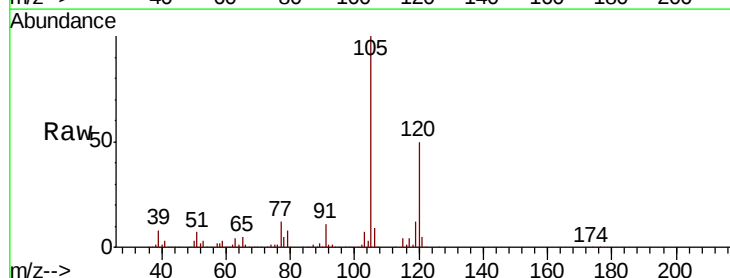
Acq: 11 Oct 2019 16:16

Tgt Ion: 105 Resp: 266418

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)

200000

150000

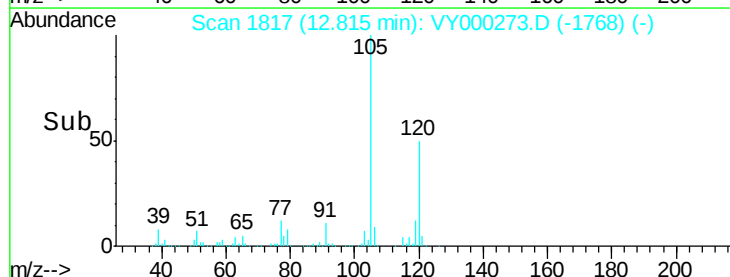
100000

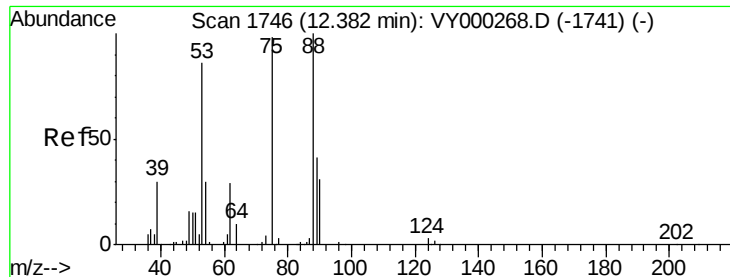
50000

0

12.75 12.80 12.85 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.189 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

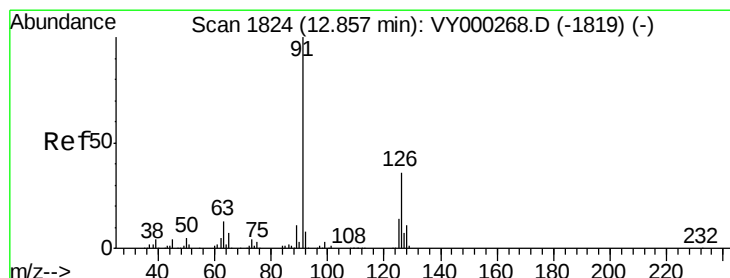
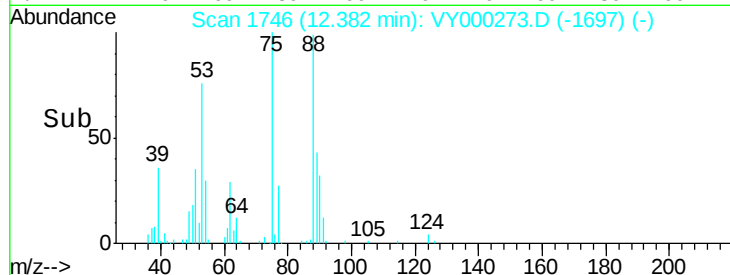
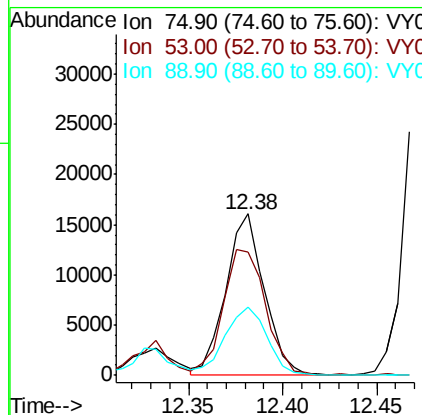
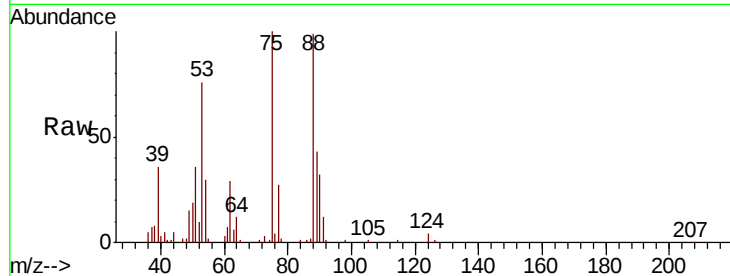
ClientSampleId :

VY1011SBS01

Tot Ion:	75	Resp:	22756
Ion	Ratio	Lower	Upper
75	100		
53	86.5	71.3	106.9
89	46.5	35.1	52.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.391 ug/l

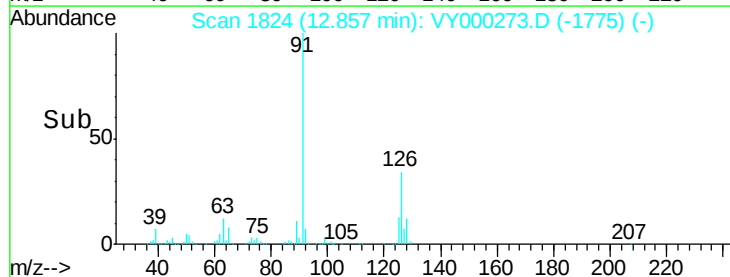
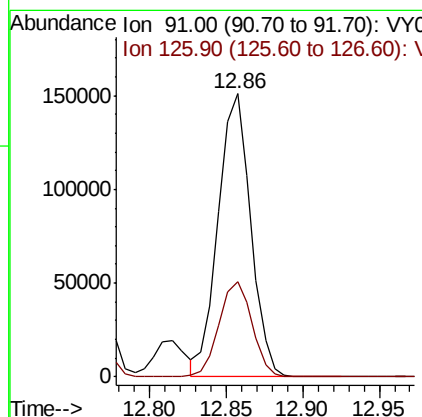
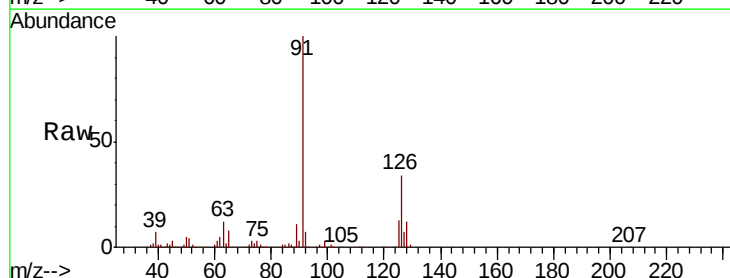
RT: 12.86 min Scan# 1824

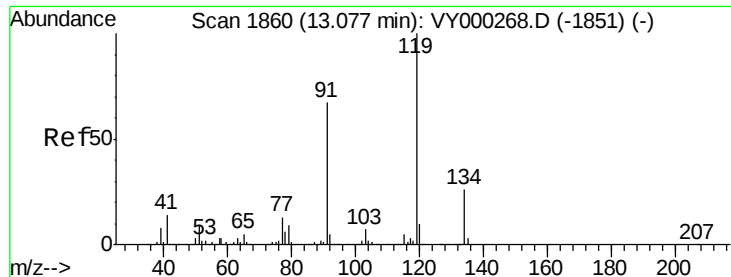
Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	91	Resp:	223400
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.2	51.5





#83

tert-Butylbenzene

Concen: 20.974 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

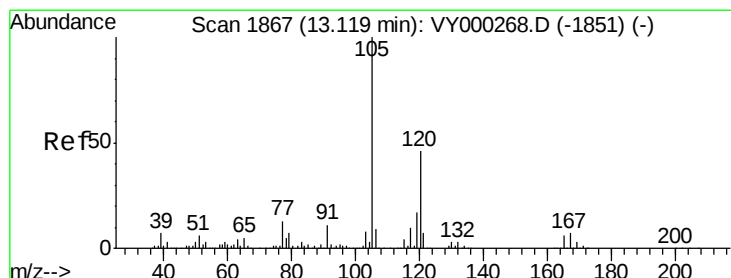
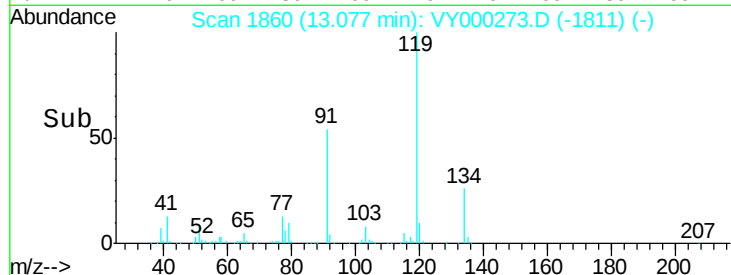
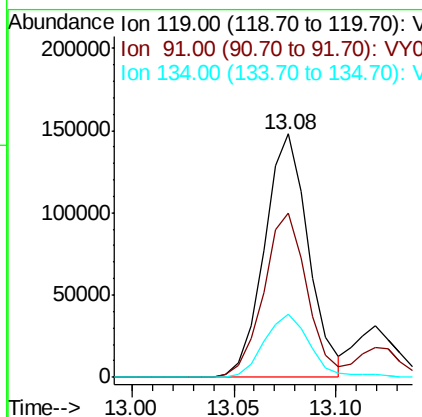
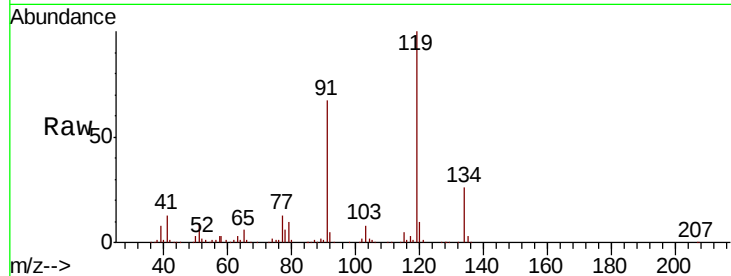
ClientSampleId :

VY1011SBS01

Tot Ion:	119	Resp:	221917
Ion Ratio		Lower	Upper
119	100		
91	66.5	32.9	98.7
134	27.3	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.331 ug/l

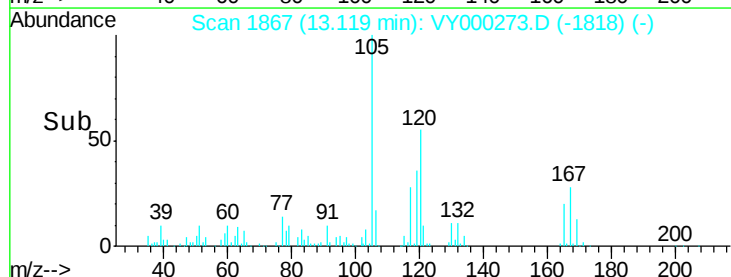
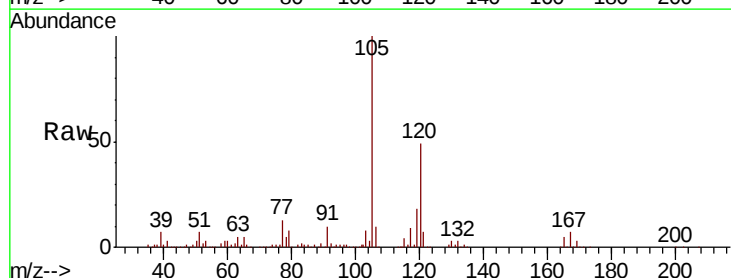
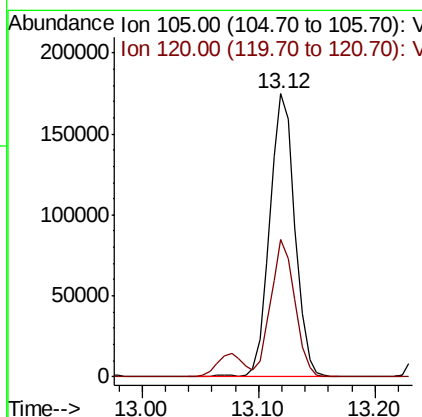
RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Tgt Ion:	105	Resp:	263032
Ion Ratio		Lower	Upper
105	100		
120	46.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.875 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion:105 Resp: 319515

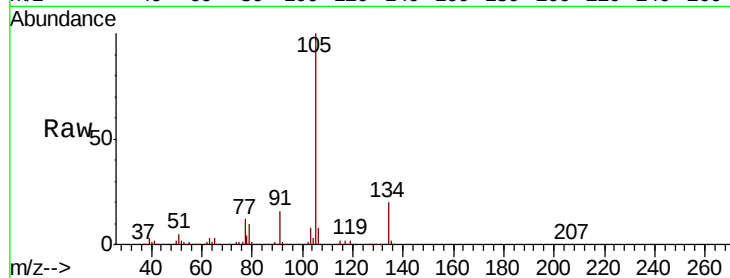
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

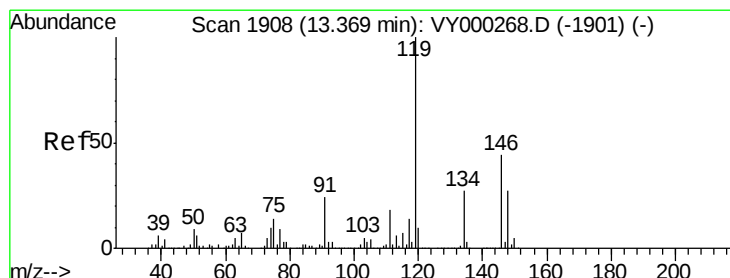
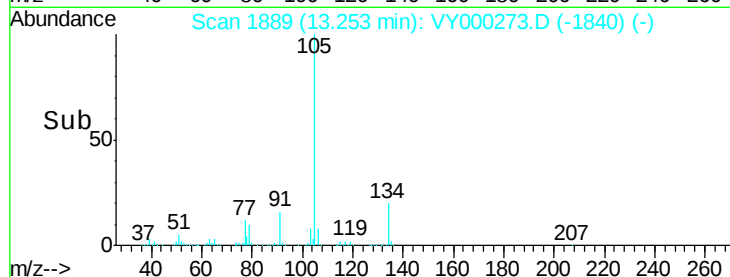
0

13.20

13.25

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.216 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000273.D

Acq: 11 Oct 2019 16:16

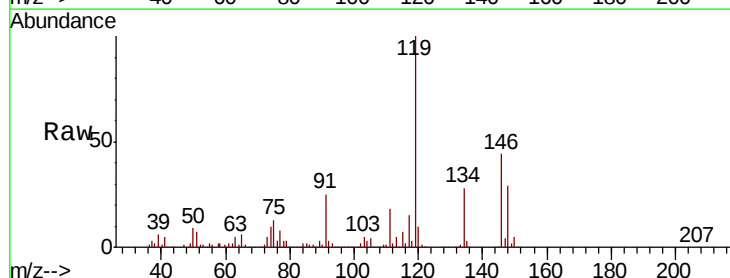
Tgt Ion:119 Resp: 283103

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 24.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

100000

50000

0

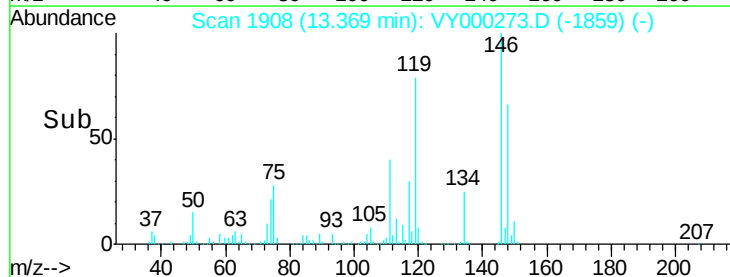
13.30

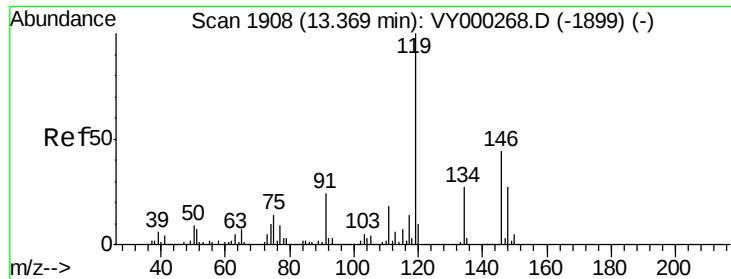
13.35

13.40

13.45

Time-->





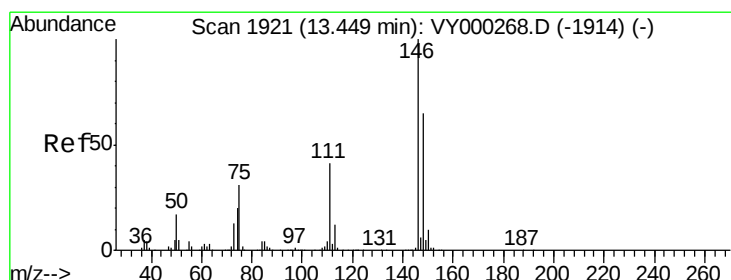
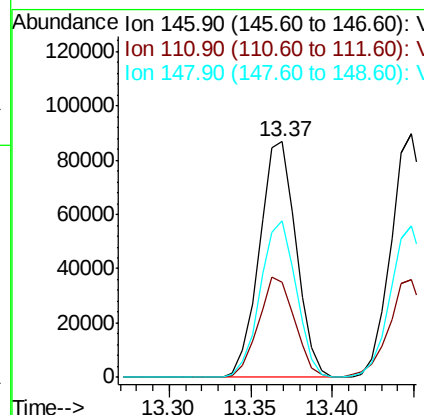
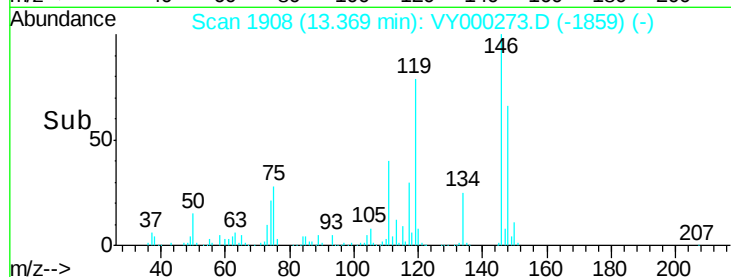
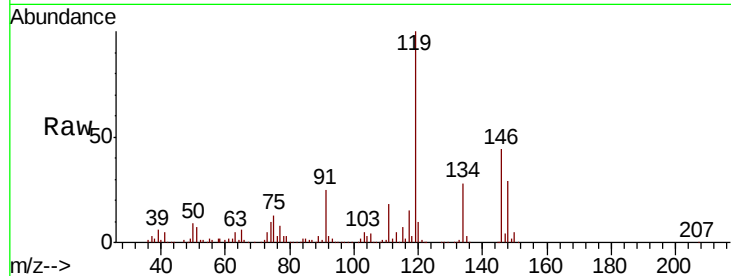
#87
 1,3-Dichlorobenzene
 Concen: 20.869 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.8
148	64.8	31.9	95.5

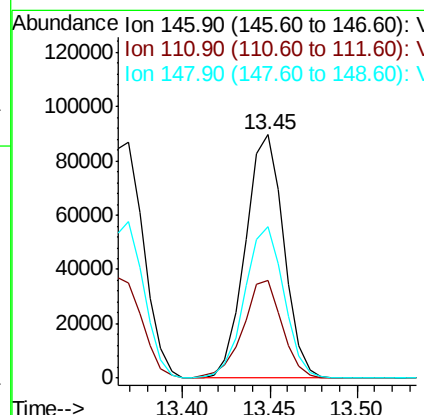
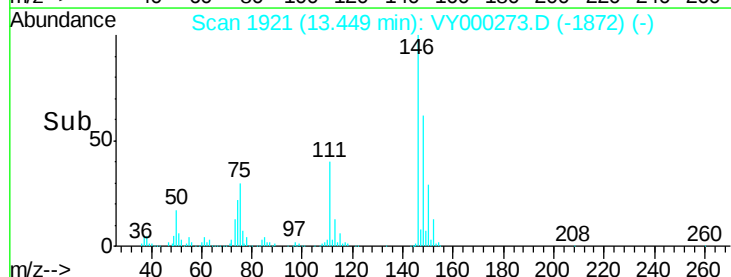
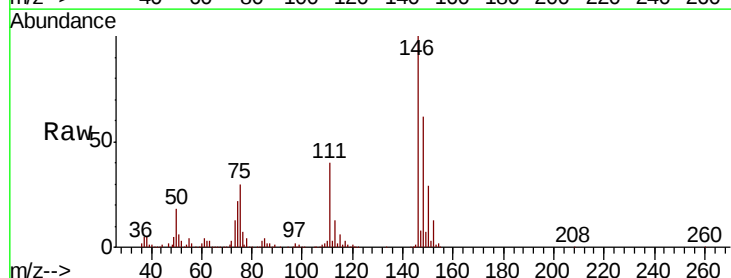
Manual Integrations
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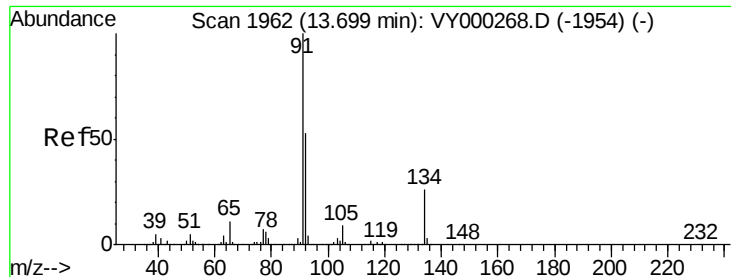
MMDadoda
 10/15/2019 12:34:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.038 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	63.8	32.4	97.2





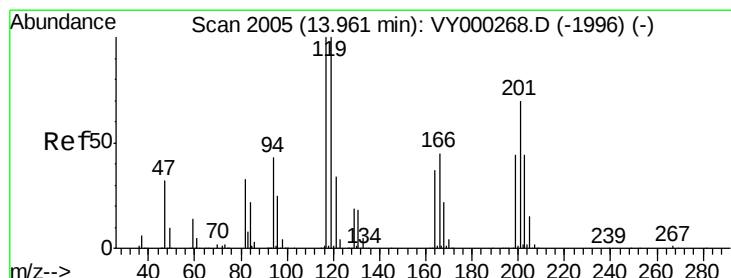
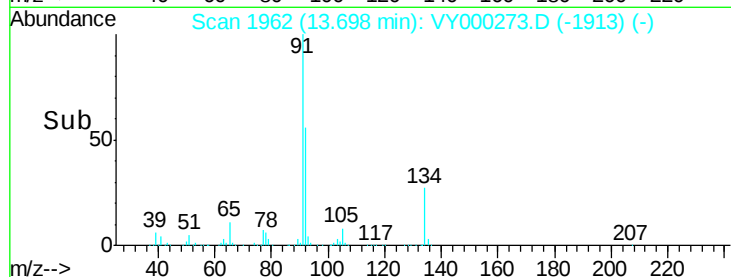
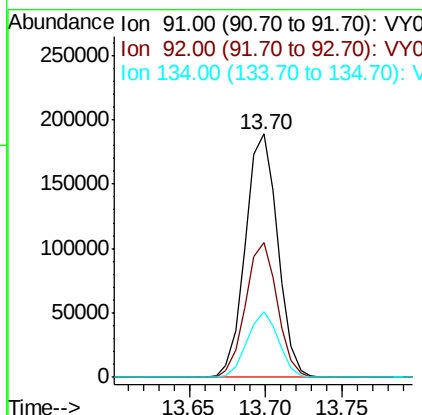
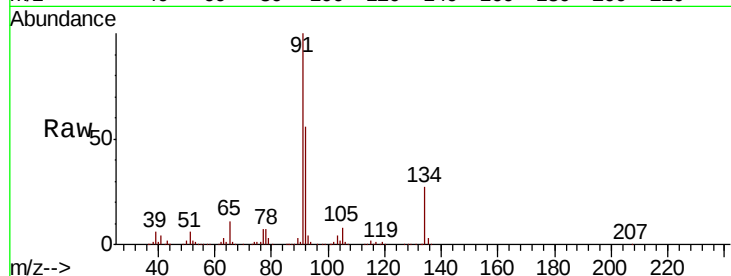
#89
n-Butylbenzene
Concen: 21.021 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.1
134	26.2	13.0	38.9

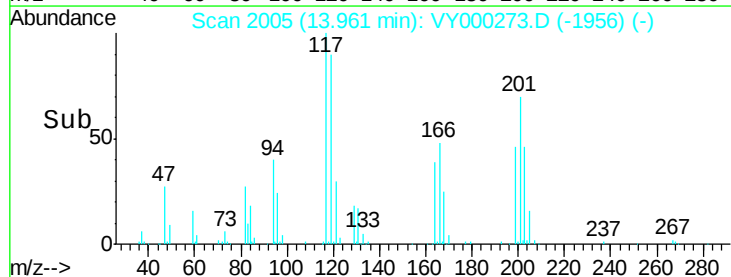
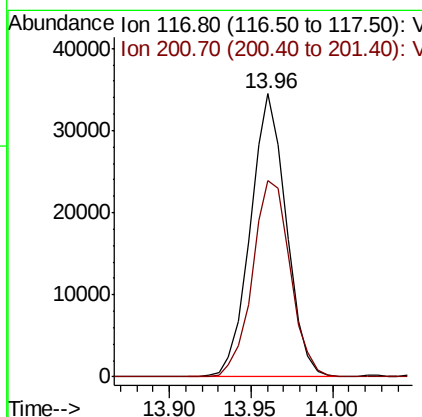
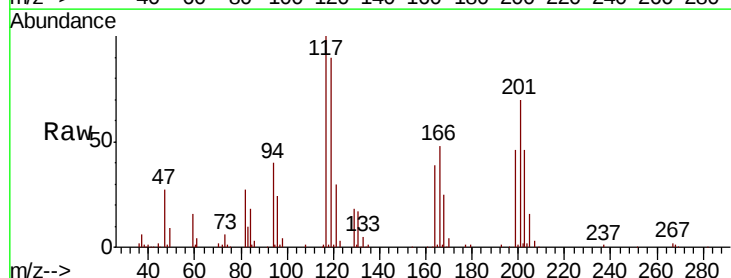
Manual Integrations
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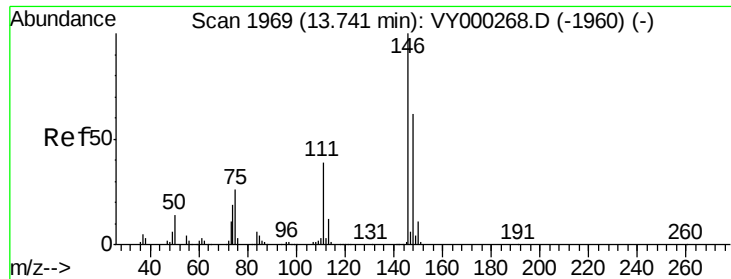
MMDadoda
10/15/2019 12:34:01 PM



#90
Hexachloroethane
Concen: 21.322 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	36.3	108.7





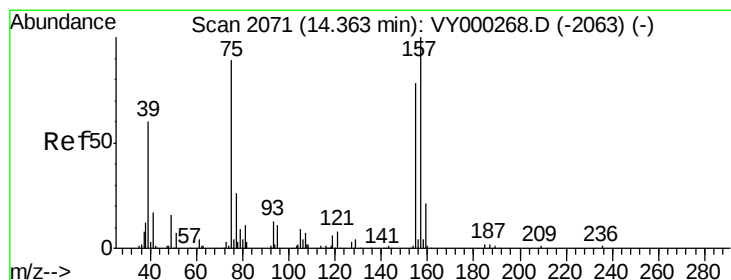
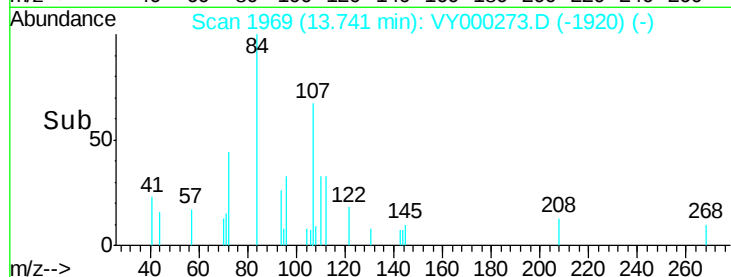
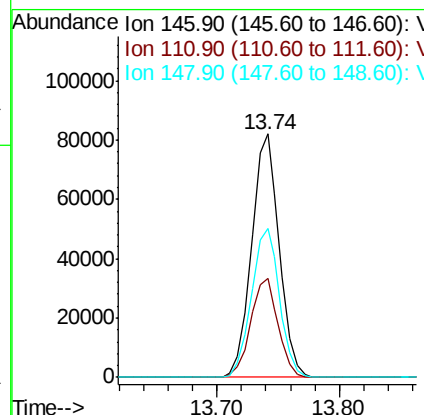
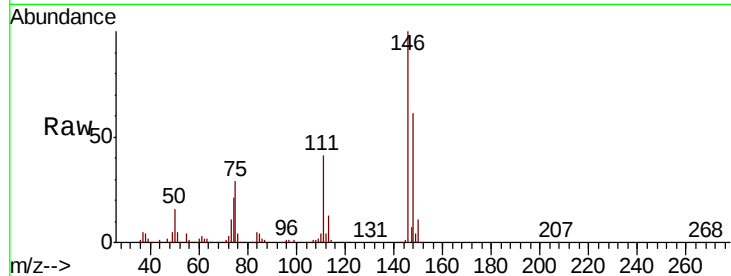
#91
 1,2-Dichlorobenzene
 Concen: 21.688 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	62.4	31.6	95.0

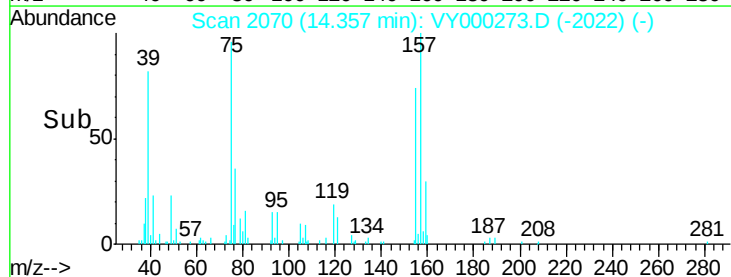
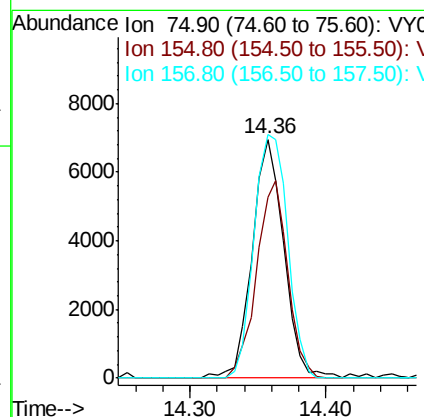
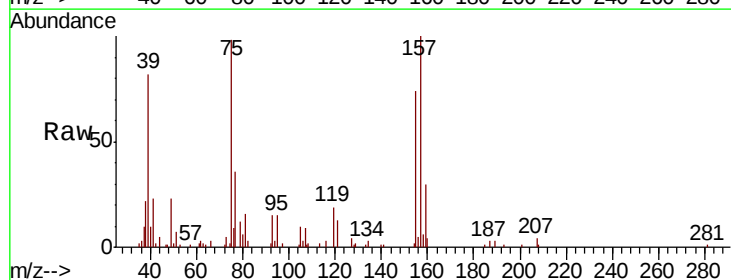
Manual Integrations
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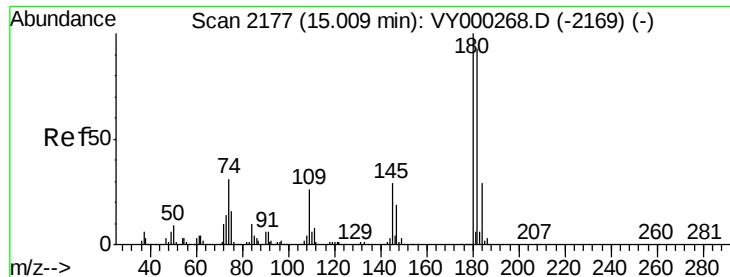
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.452 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	45.8	137.3
157	108.6	55.6	166.9





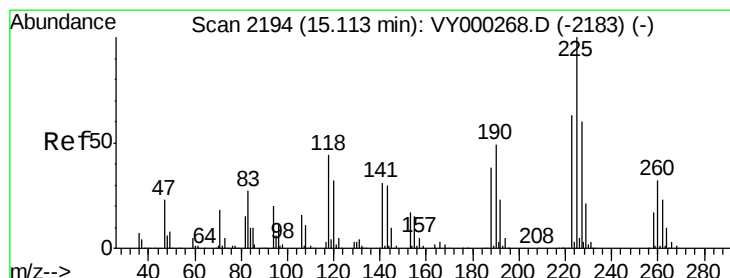
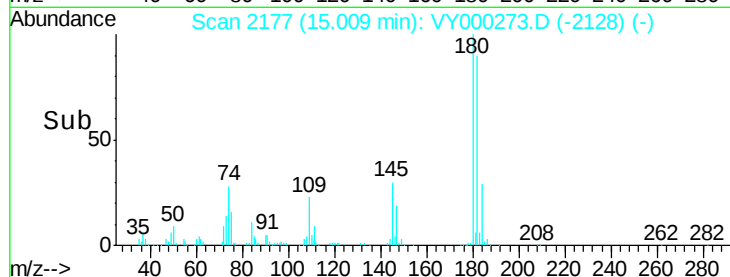
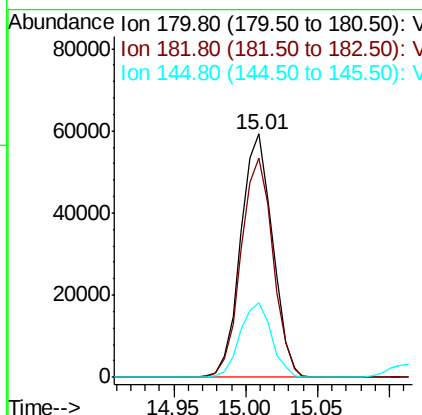
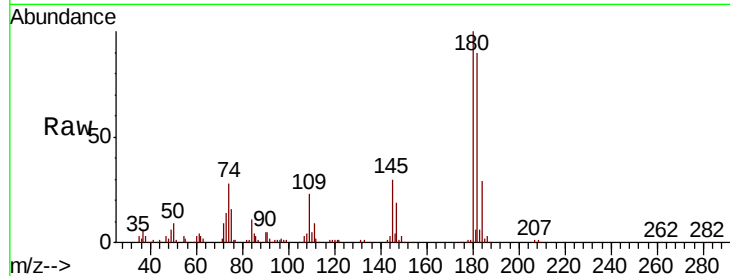
#93
 1,2,4-Trichlorobenzene
 Concen: 22.099 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.1	47.5	142.6	
145	30.2	15.4	46.1	

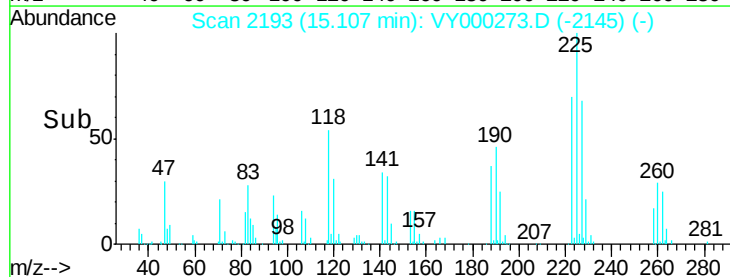
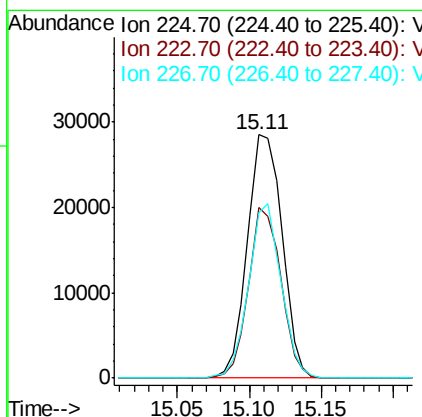
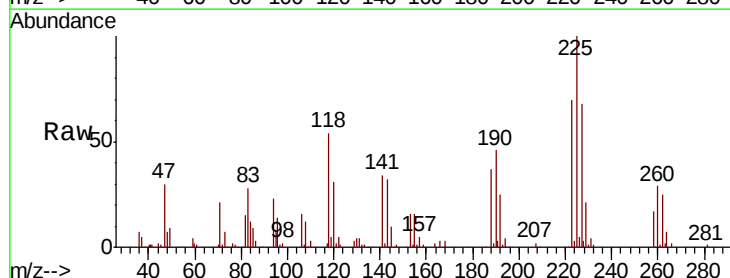
Manual Integrations
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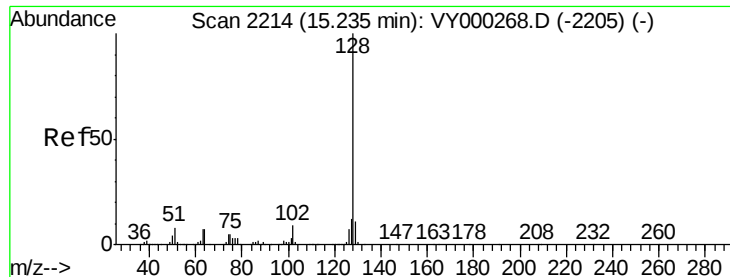
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#94
 Hexachlorobutadiene
 Concen: 21.434 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000273.D
 Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.4	31.9	95.7	
227	66.7	31.4	94.2	





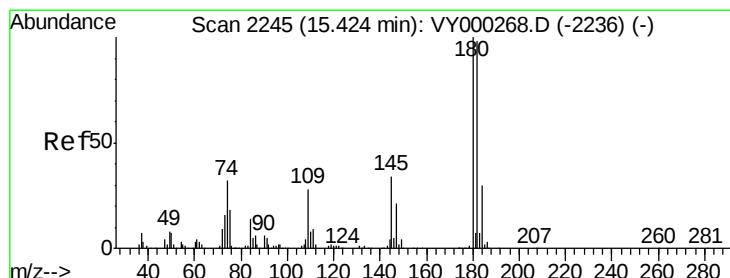
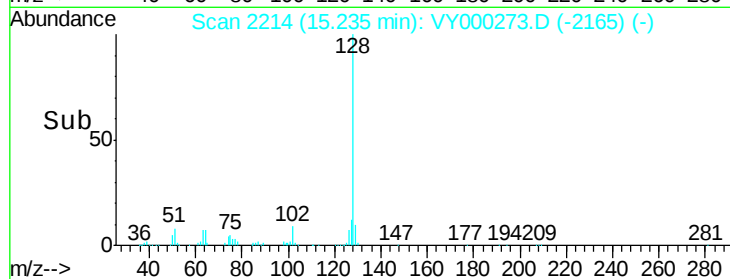
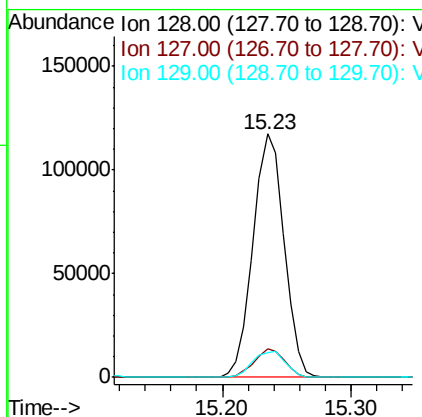
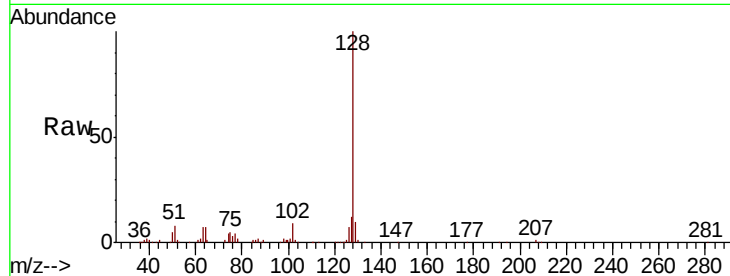
#95
Naphthalene
Concen: 21.293 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	195588		
127	11.7	9.6	14.4	
129	11.2	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.524 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000273.D
Acq: 11 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79846		
182	94.7	46.5	139.5	
145	32.4	16.2	48.5	

